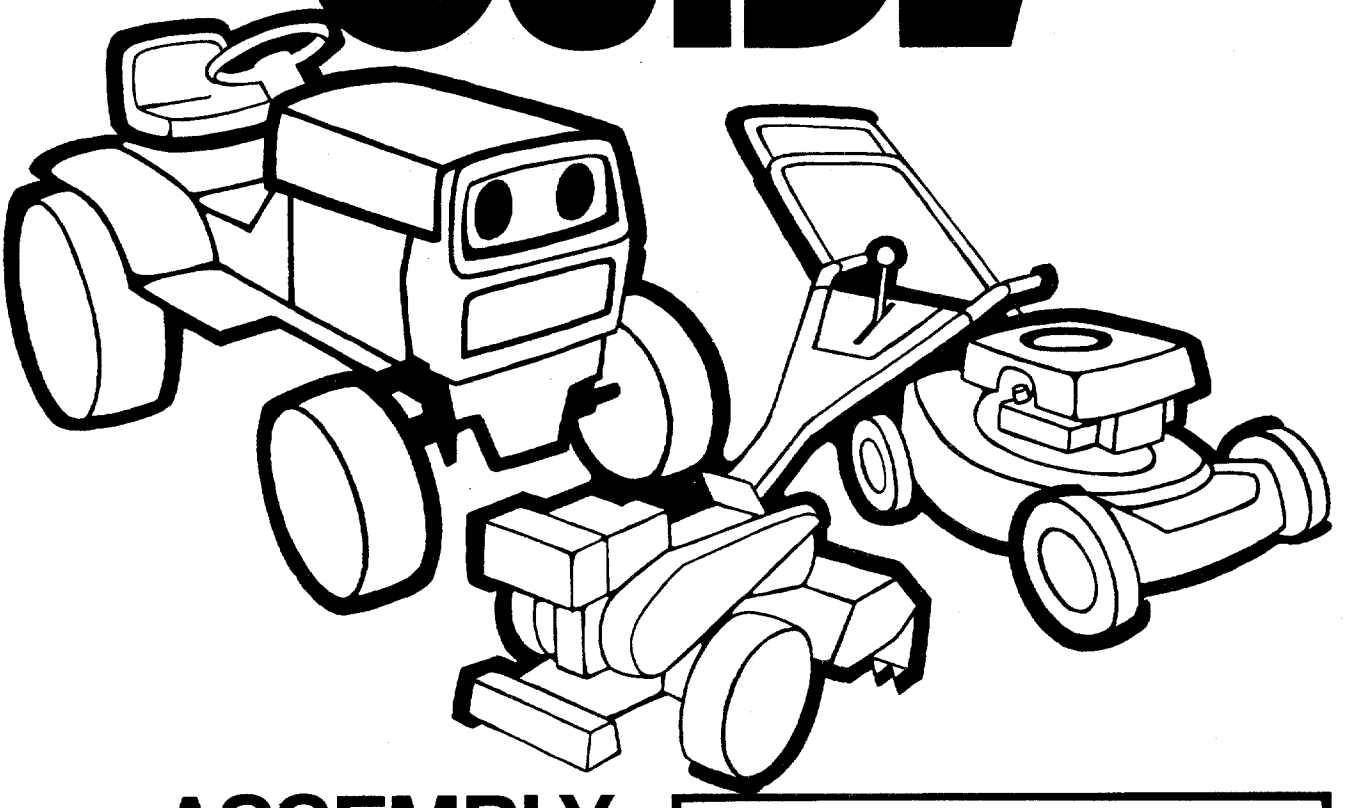
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OWNER'S GUIDE



ASSEMBLY
OPERATION
MAINTENANCE
PARTS LIST

IMPORTANT:
Read Safety Rules and Instructions

MODEL NUMBER
120-350A
22″
REAR DISCHARGE SELF-PROPELLED ROTARY MOWER

PRINTED IN U.S.A.

FORM NO. 770-0238

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LIMITED WARRANTY

For one year from the date of original retail purchase, MTD PRODUCTS INC will either repair or replace, at its option, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by MTD PRODUCTS INC.

This warranty will not apply to any part which has become inoperative due to misuse, excessive use, accident, neglect, improper maintenance, alterations, or unless the unit has been operated and maintained in accordance with the instructions furnished. This warranty does not apply to the engine, motor, battery, battery charger or component parts thereof. Please refer to the applicable manufacturer's warranty on these items.

This warranty will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of MTD.

The return of a complete unit will not be accepted by the factory unless prior written permission has been extended by MTD.

This warrany gives you specific legal rights. You may also have other rights which vary from state to state.

WARNING

TO PURCHASERS
OF INTERNAL COMBUSTION ENGINE EQUIPPED
MACHINERY OR DEVICES IN THE STATE OF CALIFORNIA

The equipment which you have just purchased does not have a spark arrester. If this equipment is used on any forest covered land, brush covered land, or grass covered unimproved land in the State of California, before using on such land, the California law requires that a spark arrester be provided. In addition, spark arrester is required by law to be in effective working order. The spark arrester must be attached to the exhaust system and comply with Section 4442 of the California Public Resources Code.

IMPORTANT

It is suggested that this manual be read in its entirety before attempting to assemble or operate. Keep this manual in a safe place for future reference and for ordering replacement parts.

This unit is shipped WITHOUT GASOLINE or OIL. See operating section of this manual for proper fuel and engine oil recommendations.

Your rotary mower is a precision piece of power equipment, not a plaything. Therefore, exercise extreme caution at all times.

SAFE OPERATION PRACTICES FOR WALK-BEHIND MOWERS

TRAINING

1. Read the Operating and Service Owner's Manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment.
2. Never allow children to operate a power mower. Only persons well acquainted with these rules of safe operation should be allowed to use your mower.
3. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower. Although the area of operation should be completely cleared of foreign objects, a small object may have been overlooked and could be accidently thrown by the mower in any direction.

PREPARATION

1. Thoroughly inspect the area where the equipment is to be used. Remove all stones, sticks, wire, bones and other foreign objects which could be picked up and thrown by the mower in any direction.
2. Do not operate equipment when barefoot or wearing open sandals. Always wear substantial footwear.
3. Do not wear loose fitting clothing that could get caught on the mower.
4. Check the fuel before starting the engine. Do not fill the gasoline tank indoors, when the engine is running, or while the engine is still hot. Wipe off any spilled gasoline before starting the engine.
5. Disengage the self-propelled mechanism or drive clutch on units so equipped before starting the engine.
6. Never attempt to make a wheel or cutting height adjustment while the engine is running.
7. Mow only in daylight or in good artificial light.
8. Never operate the equipment in wet grass. Always be sure of your footing. Keep a firm hold on the handle and walk, never run.

OPERATION

1. Do not change the engine governor settings or overspeed the engine. Excessive engine speeds are dangerous.
2. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
3. Stop the blade(s) when crossing gravel drives, walks or roads.
4. After striking a foreign object, stop the engine, remove the wire from the spark plug, and thoroughly inspect the mower for any damage. Repair the damage before restarting and operating the mower.
5. If the equipment should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
6. Stop the engine whenever you leave the mower, before cleaning the mower housing, and when making any repairs or inspections.
7. When cleaning, repairing or inspecting, make certain the blade and all moving parts have stopped. Disconnect the spark plug wire, and keep the wire away from the plug to prevent accidental starting.
8. Before attempting to unclog the mower or discharge chute, stop the engine and be sure the blade(s) have stopped completely. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
9. Do not run the engine indoors.
10. Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher or unclogging chute.
11. Mow across the face of slopes, never up-and-down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes.
12. Always disconnect electric mowers (line operated) before cleaning, repairing or adjusting.
13. Never operate mower without proper guards, plates or other safety protective devices in place.
14. Keep washout ports and other mower-housing service openings closed when mowing.
15. **DO NOT OPERATE** this mower with the chute doors open, unless the complete grass catcher is properly mounted on the mower.

MAINTENANCE AND STORAGE

1. Check the blade and engine mounting bolts at frequent intervals for proper tightness.
2. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
3. Never store the equipment with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
4. To reduce fire hazard, keep the engine free of grass, leaves, or excessive grease.
5. Check the grass catcher bag frequently for wear or deterioration. For safety protection replace only with new bag meeting original equipment specifications.

ASSEMBLY INSTRUCTIONS

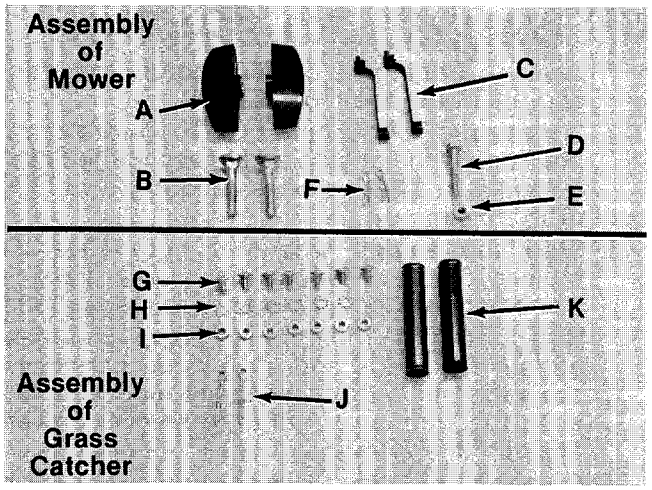


FIGURE 1.

Contents of Hardware Pack

- A (2) Hand Knobs
- B (2) Curved Carriage Bolts 5/16-18 x 1.75" Long
- C (3) Cable Ties
- D (1) Hex Screw ¼-20 x 1.50" Long
- E (1) Hex Center Lock Nut ¼-20 Thd.
- F (2) Hairpin Cotters
- G (7) Truss Head Bolts 3/8" Long
- H (7) External Lock Washers
- I (7) Hex Nuts #10-24 Thread
- J (2) Cotter Pins
- K (2) Tubing Connectors

1. Remove the lawn mower, loose parts, hardware pack and literature from the carton. Make certain all parts and literature have been removed before the carton is discarded.

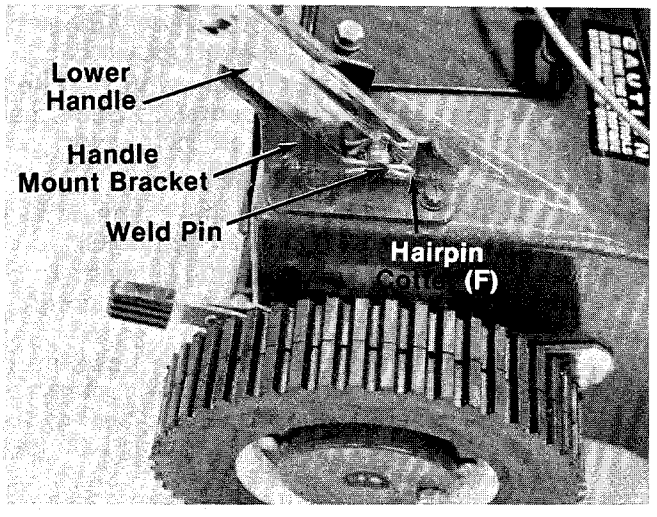
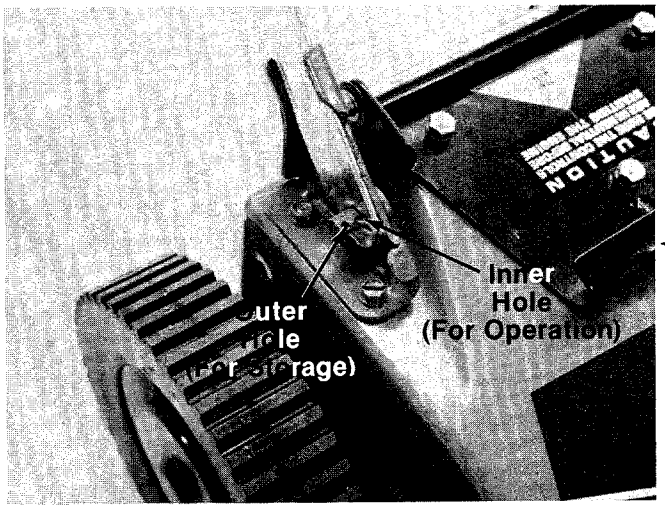


FIGURE 2.

2. Extend the throttle control which is attached to the mower and place on the floor. Be careful not to bend or kink control wire.
3. Place lower handle in position over weld pins in handle mount brackets on deck. Secure by placing two hairpin cotters (F) in inner hole on weld pins. See figure 2.

NOTE

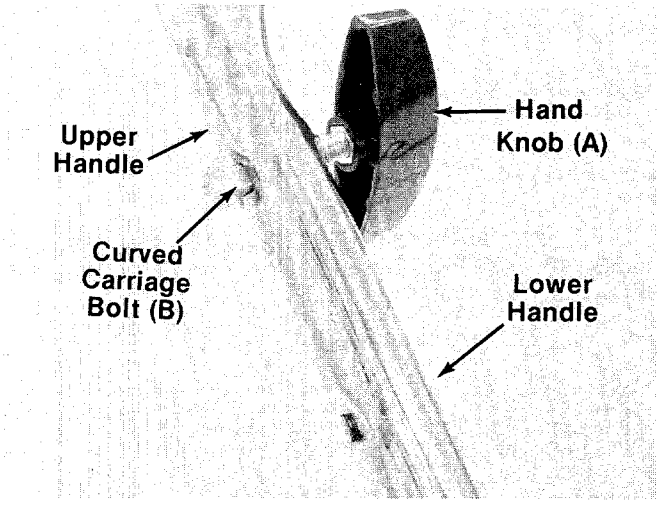
It may be necessary to bend the ends of the lower handle inward slightly to assure a snug fit against the bracket mounting area.



NOTE

There are two (2) holes in the handle mount brackets. Place hairpin cotter in the inner hole for operation. The outer hole is for storage. See figure 3.

FIGURE 3.

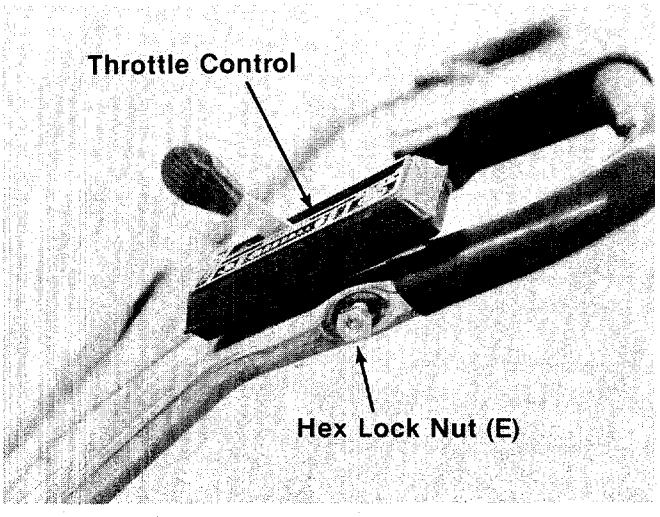


4. Place upper handle with the clutch control attached in position over lower handle. Secure with two curved carriage bolts (B) and hand knobs (A) as shown in figure 4. The knobs can be either to the inside or the outside of the handle.

NOTE

There are two height positions for the handle. See adjustment section.

FIGURE 4.

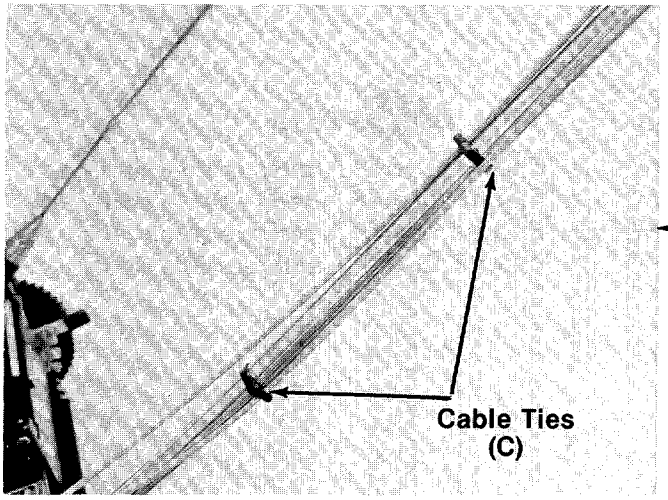


5. Place the throttle control in position on the **left** hand side of upper handle. Secure with hex screw (D) and hex lock nut (E) provided. See figure 5.

NOTE

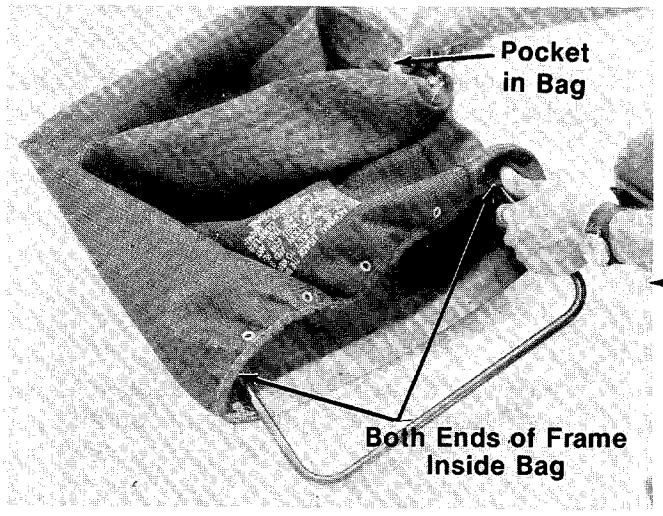
Reference to left or right side of machine is from operator's position at the handle facing forward.

FIGURE 5.



6. Secure throttle control cable and clutch cable to handle with cable ties (C) provided. See figure 6.
7. Check **all** nuts and bolts for correct tightness.

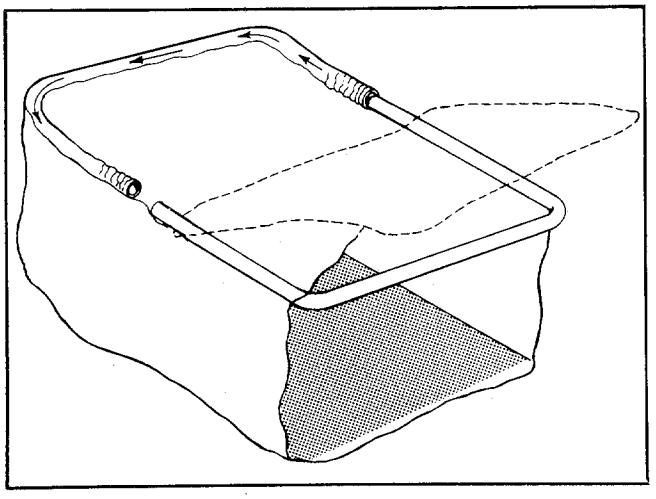
FIGURE 6.



ASSEMBLY
Grass Catcher

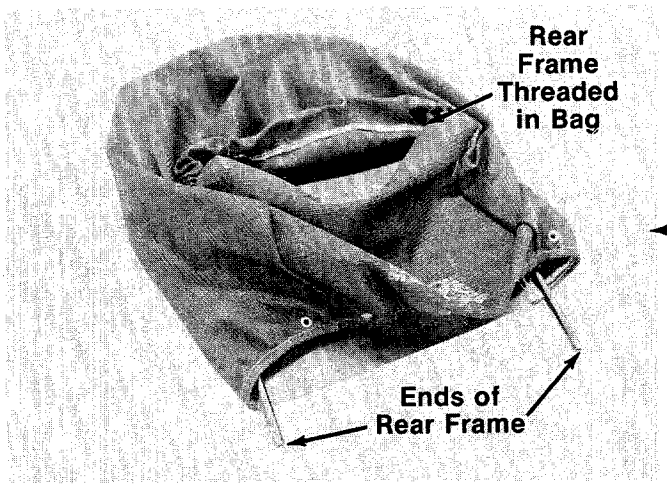
1. Attach bag to rear frame by inserting one end of frame into pocket from inside bag. See figure 7.

FIGURE 7.



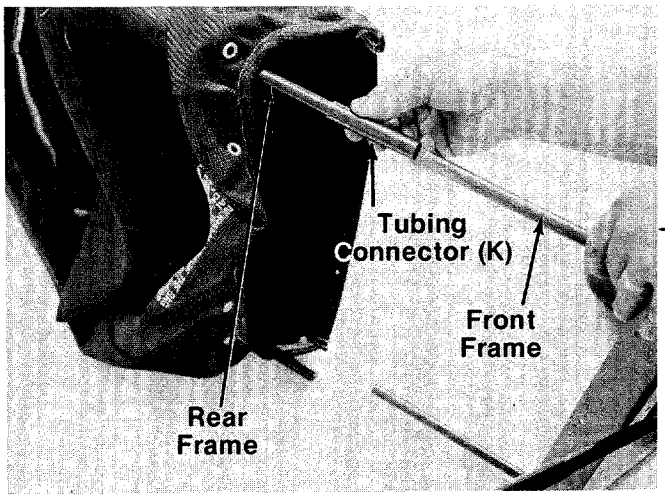
2. Thread all material on one side of frame before working it around the frame. See figure 8.

FIGURE 8.



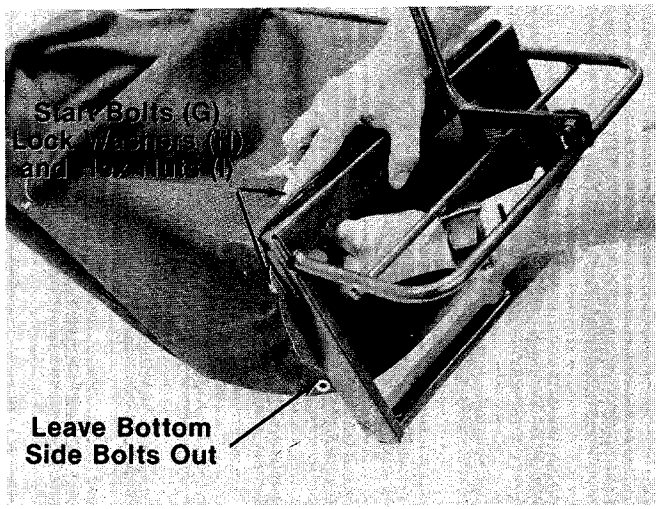
3. After threading, both ends of frame should be inside the bag. See figure 9.

FIGURE 9.



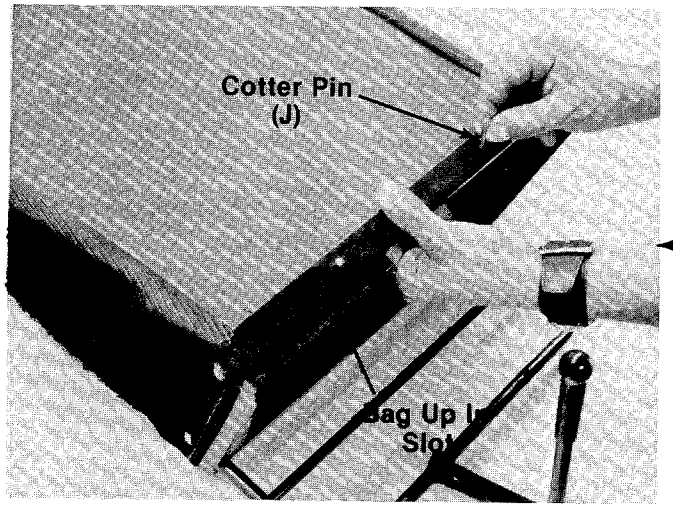
4. Push the tubing connectors (K) onto the ends of the rear frame. Slip the ends of the front frame into the other ends of the tubing connectors. See figure 10.

FIGURE 10.



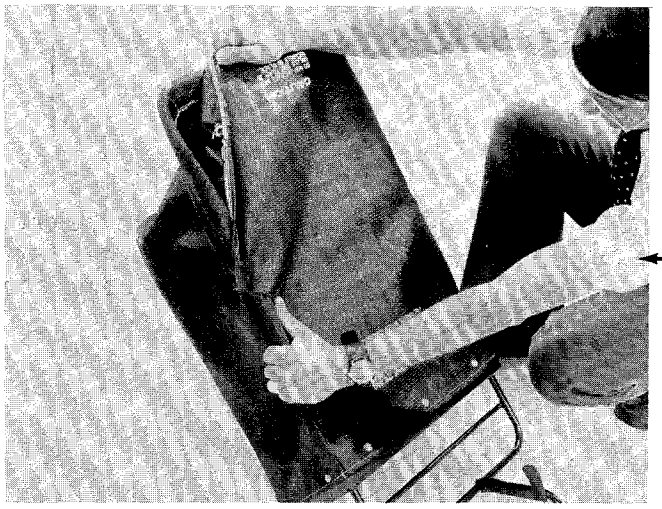
5. Pull bag up and fasten edges (with eyelets) to front frame with 3/8" bolts (G), lock washers (H) and hex nuts (I). Finger tighten. See figure 11. Hint: For easier assembly **Do Not** fasten lower bolts on sides until after step 5.

FIGURE 11.



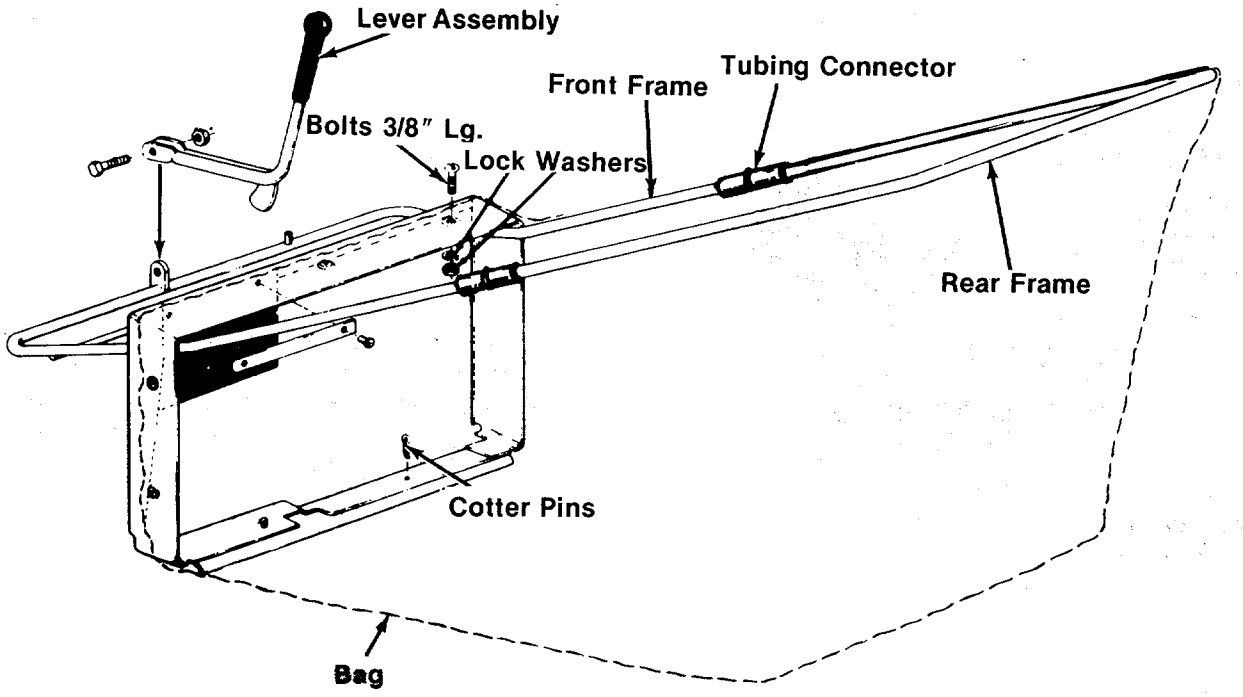
6. Stand bag on end with open end up. Pull bottom of bag forward into slot. Align holes and slip cotter pins (J) into holes. Spread ends of pins to secure bag to frame. See figure 12. Tighten all nuts and bolts securely with screwdriver.

FIGURE 12.



7. Close top of bag by stretching loose material over the end of the frame. See figure 13.

FIGURE 13.



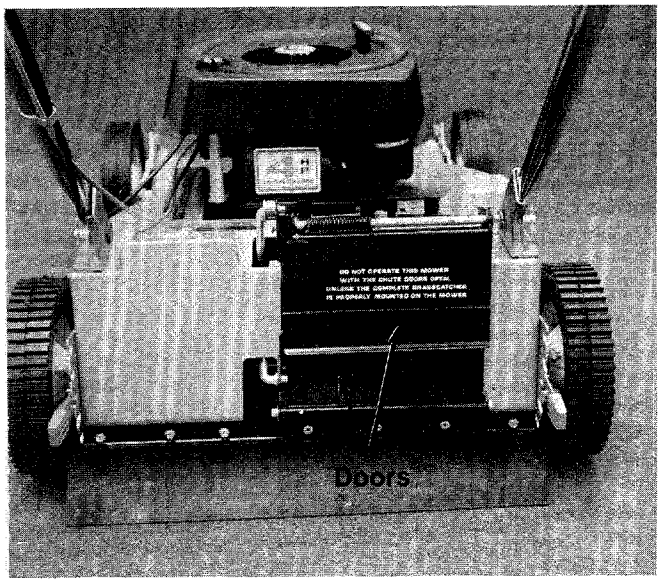


FIGURE 14.

TO ATTACH BAG TO MOWER

The doors shown in figure 14 cannot be opened to discharge the grass unless the grass catcher is in place.

WARNING

Under no circumstances should the doors be opened while the engine is operating unless the grass catcher is securely in place.

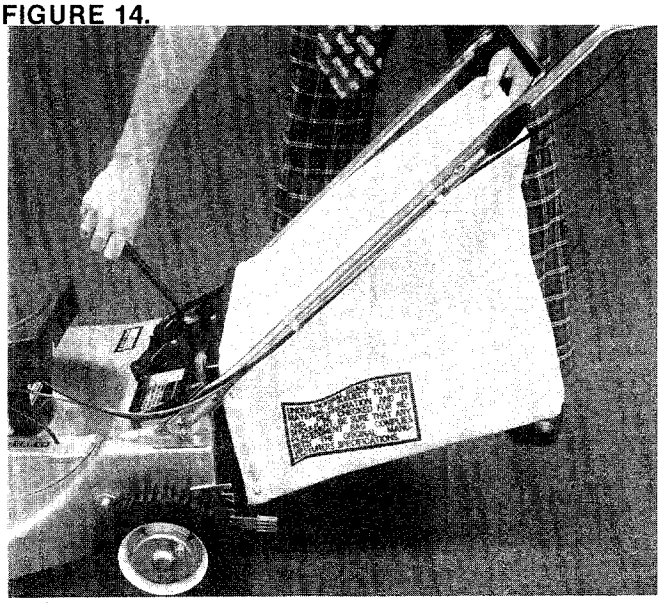


FIGURE 15.

1. Attach the grass catcher frame to the front of the adapter as shown in figure 15.

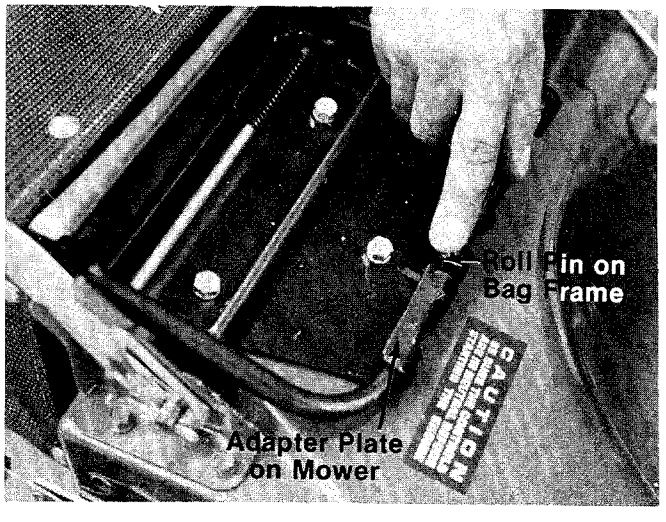
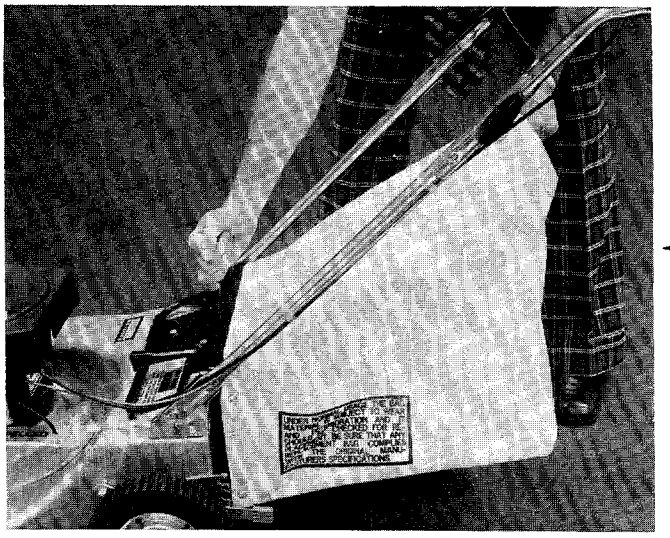


FIGURE 16.

Tilt bag slightly forward and slide roll pin on bag frame into slot on mower. See figure 16. Push down on bag to position on mower.



2. Pull cam lever back and down to lock grass catcher on mower. This automatically opens rear discharge doors on mower.

To remove the grass catcher, unlock the cam lever and lift off the grass catcher.

FIGURE 17.

CONTROLS

THROTTLE CONTROL

The throttle control is located on the left side of the handle. See figure 18. It is used to regulate the engine speed and to stop the engine.

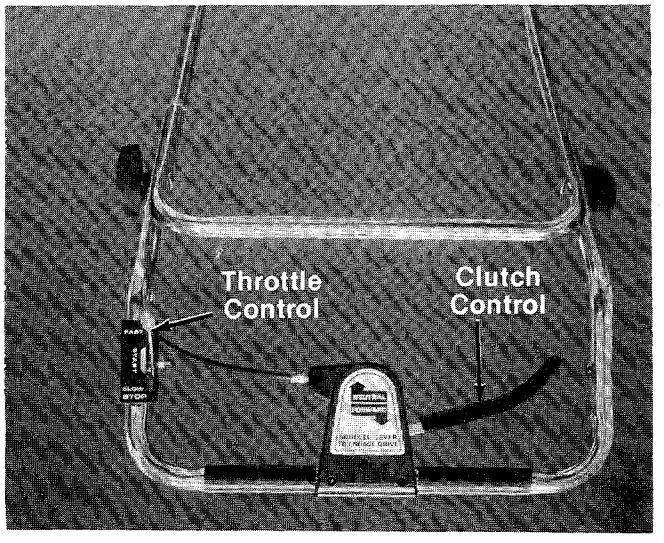


FIGURE 18.

CLUTCH CONTROL

Squeezing the clutch control engages the drive mechanism to the rear wheels. Releasing the clutch control stops the rear wheels from driving. Release the clutch control to slow down when negotiating an obstacle, making a turn or stopping. See figure 18, 19, and 20.

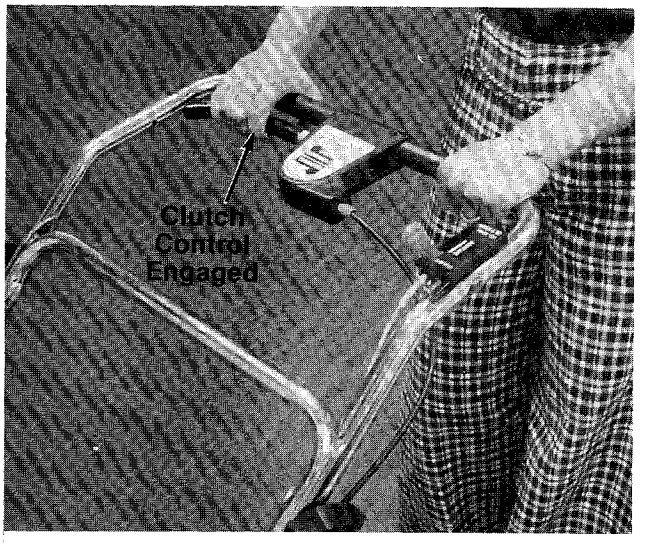


FIGURE 19.

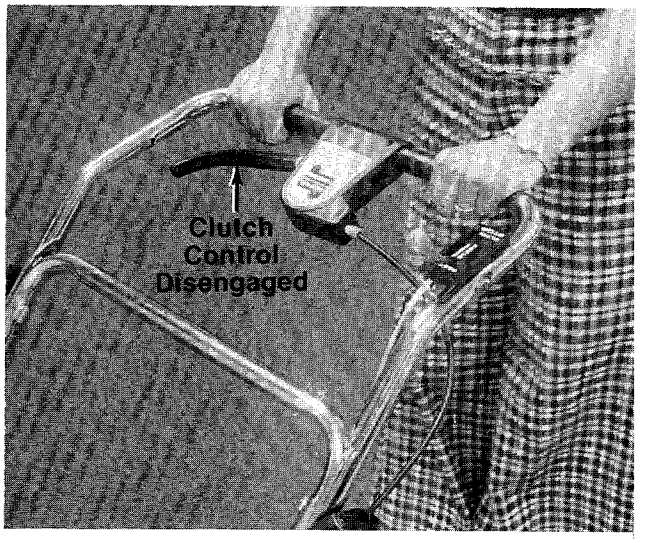


FIGURE 20.

WARNING

The blade continues to rotate when the clutch is released.

OPERATION

DO NOT OPERATE THIS MOWER WITH THE CHUTE DOORS OPEN, UNLESS THE COMPLETE GRASSCATCHER IS PROPERLY MOUNTED ON THE MOWER.



FIGURE 21.

Keep hands and feet away from the chute area on cutting deck. See figure 21.

NOTE

For shipping purposes your mower is set with the wheels in a low cutting height position. For best results, raise the cutting position until it is determined which height is best for your lawn. See adjustment section.

BEFORE STARTING

1. Before each use, check for proper clutch operation by performing the following before starting the engine:

 With the clutch control released, push mower forward. It should move freely.

 Pull mower backward. It should move freely.

 If it does not and the rear wheels tend to lock up, the clutch may not be releasing completely. Do not attempt to start the engine until corrections have been made. Check the control cable for severe bend, kinks and binding, grass build up in the pulley groove, proper positioning of the pulley scraper finger. Be certain the cable housing is secure in the socket on the belt cover.

 Correct and adjust as required. See adjustment section. Test again.

2. Check to see that the handle is in the operating detent in the brackets on the deck, and the upstop projections restrict the handle from moving up and forward. If necessary, remove the left side from the mounting pin on the deck bracket. Push inward to decrease the spacing between the two sides of the handle until it is slightly less than the spacing of the deck brackets. Reinstall over the mounting pin and secure the hair cotter pin in the inner holes.

3. Fill sump with oil, using a high quality detergent oil classified "For Service SC, SD, SE or MS." Use SAE 30, SAE 10W-30 or SAE 10W-40 viscosity grade oil. Nothing should be added to the recommended oil.

Place engine level. Remove cap and dipstick. See figure 22. Fill to **"full"** mark on dipstick. Do not overfill. When checking oil level, screw dipstick assembly down until its cap bottoms on tube. When engine is operating, dipstick must be securely assembled to tube. Capacity 1¼ pints.

4. **Fill Fuel Tank,** using clean, fresh, lead-free or leaded "regular" grade automotive gasoline. Fill tank completely.

 DO NOT MIX OIL WITH GASOLINE.

TO START ENGINE

1. Move throttle control lever to "START" position.
2. Place foot on the right side of the deck and hold handle to prevent tipping the unit. Grasp starter handle as shown in figure 22 and pull out rapidly. Return it slowly to the engine. Repeat if necessary.

WARNING

When starting the unit, place the unit facing a solid object to stop it if it is not correctly adjusted to be in "NEUTRAL" position. If the unit shows signs of motion without engaging the clutch control, shut off the engine immediately. Readjust the clutch control as necessary. See adjustment section.

NOTE

This engine features a unique Automatic Choke. In case of flooding, move control to "STOP" and pull starter six times. Then move control to "START" position and start engine. If engine continues to flood, rotate the carburetor needle valve 1/8 turn clockwise to obtain a leaner mixture. See Carburetor Adjustment on page 13.

This mower is designed to be operated at full throttle to give you the best cut and do the most effective job of bagging the cut grass.

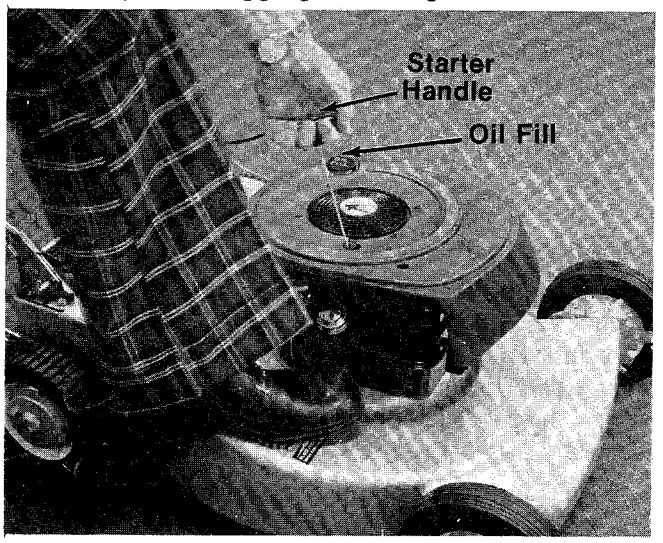


FIGURE 22.

TO STOP ENGINE

1. Move throttle control lever to "STOP" position.
2. Remove spark plug wire from spark plug and ground to prevent accidental starting while equipment is unattended.

Be sure that lawn is clear of stones, sticks, wire, or other objects which could damage lawn mower or engine. For best results and to insure more even grass distribution, do not mow when lawn is excessively wet.

IMPORTANT

After striking a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

ADJUSTMENTS

CAUTION

Do not at any time make any adjustment to lawn mower without first stopping engine and disconnecting spark plug wire.

EASY CUTTING HEIGHT

An adjusting plate and thumb lever at each wheel position provides cutting height adjustment. Each adjusting plate has five holes. Height of cut will be changed when the thumb lever is moved from one hole to another. Simply depress thumb lever towards wheel and move wheel and lever assembly to desired position. All wheels must be placed in the same relative position. See figure 23.

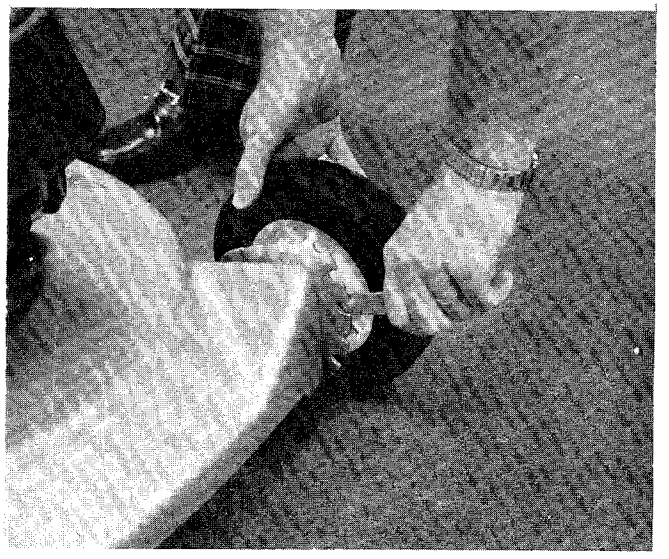


FIGURE 23.

CLUTCH CONTROL ADJUSTMENT

1. To increase belt tension, loosen jam nut and back off two or three threads. Thread the barrel nut on end of control cable outward two or three threads. Retighten jam nut. See figure 24.

2. To decrease belt tension, loosen jam nut and back off two or three threads. Thread the barrel nut on end of control cable inward two or three threads. Retighten jam nut. See figure 24.

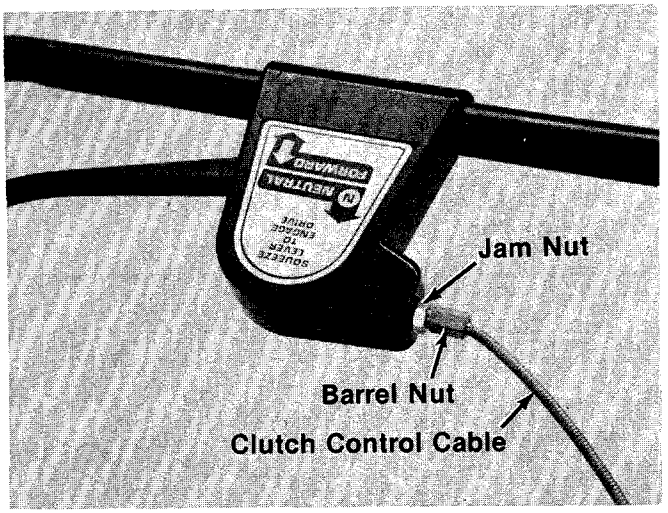


FIGURE 24.

THROTTLE

If adjustment becomes necessary, the throttle control wire assembly can be reset as follows:

1. Loosen, but do not remove, the screw securing throttle control wire assembly at engine.
2. Move throttle control lever on handle to "FAST" position.
3. Move lever to which control wire is fastened at engine to full open position. Retighten screw to secure throttle control wire assembly.

HANDLE POSITION

The upper handle can be adjusted to a high or low position. The operator of the lawn mower can easily adjust the handle position by unscrewing the two knobs, removing the two bolts and reassembling in the other position. No tools are necessary to make this adjustment. See figure 25.

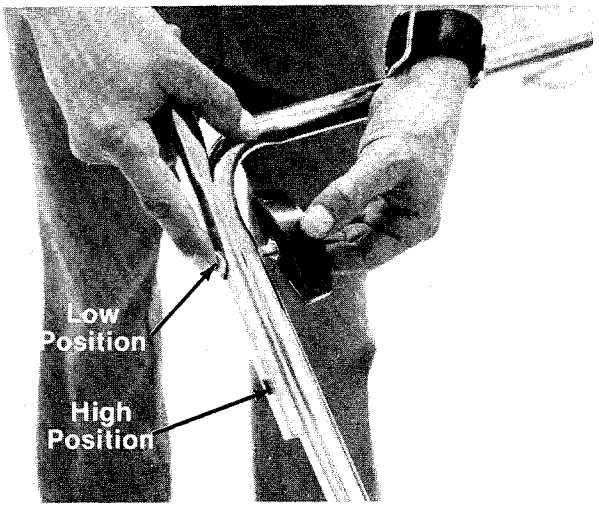


FIGURE 25.

WARNING

If any adjustments are made to the engine while the engine is running (e.g. carburetor), disengage all clutches and blades. Keep clear of all moving parts. Be careful of heated surfaces and muffler.

CARBURETOR ADJUSTMENTS (See figure 26.)

Minor carburetor adjustment may be required to compensate for differences in fuel, temperature, altitude and load.

All carburetor adjustments should be made with the air cleaner on engine. Air cleaner mounting screw must be in carburetor when engine is run. Best adjustment is made with a fuel tank half full of gasoline.

To Adjust Carburetor:

1. Start engine and run long enough to warm it to operating temperature.

 If engine is out of adjustment so that it will not start, close the needle valve by turning it clockwise. Then open needle valve 1-1/2 turns counterclockwise.

2. Move engine control to run engine at normal operating speed.
 a. Turn needle valve in clockwise until engine starts to lose speed (lean mixture).
 b. Then slowly turn needle valve out counterclockwise past the point of smoothest operation until engine just begins to run unevenly (rich mixture).
 c. Turn needle valve back in clockwise very slowly till engine runs evenly.
 d. Final adjustment of the needle valve should be slightly to the rich side (turn counterclockwise) of the mid-point.

3. Move engine control to SLOW. Turn idle adjusting screw until a fast idle is obtained (1750 R.P.M.).

4. To check adjustment, move engine control from SLOW to FAST speed. Engine should accelerate smoothly. If engine tends to stall or die out, increase idle speed or re-adjust carburetor, usually to a slightly richer mixture.

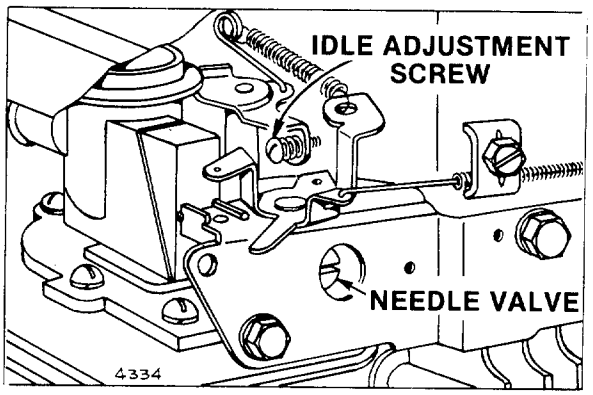


FIGURE 26.

LUBRICATION

IMPORTANT

Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on lawn mower.

Wheels—Each front wheel has two ball bearings that require periodic lubrication. Place a few drops of light oil on each bearing at the start of each mowing season and again every 30 days. Rear wheel bearings are of self-lubricating Fortiflex. They require no lubrication.

Engine—Follow engine manual for lubrication instructions.

Chain—To lubricate the chain, remove the master link and chain. Soak the chain in kerosene or a solvent, and let it air dry. Wipe the chain with a rag saturated with SAE 30 oil. Reassemble the chain to the sprockets. Closed end of the master link clip should face in direction of chain travel.

If the rotary mower is operated in a sandy area, the chain should not be lubricated. Excessive oil on a chain will collect dirt and cause excessive wear on the chain and sprockets.

Discharge Chute Door Mechanism—The torsion spring and pivot point should be lubricated periodically with light oil to prevent any rust or binding. Doors must work freely.

MAINTENANCE

CUTTING BLADE

The blade may easily be removed for sharpening or replacement as follows:

1. Remove the center bolt and center lock washer holding the blade and adapter to the engine crankshaft.
2. Remove the blade and adapter from the crankshaft.
3. Be careful not to lose the key on the crankshaft. See figure 27.
4. Remove the two smaller bolts, lock washers and nuts holding the blade to the adapter. See figure 27.

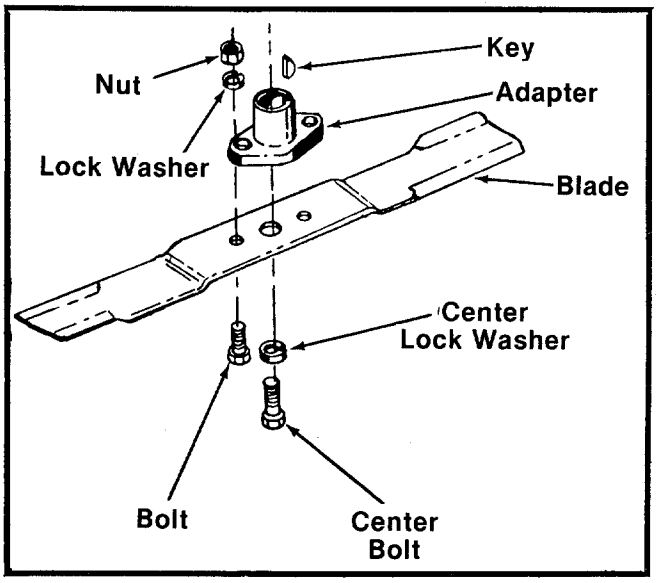


FIGURE 27.

When sharpening blade, follow the original angle of grind as a guide. It is extremely important that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds and may cause damage to the mower.

The blade can be tested for balance by balancing it on a screwdriver. Remove metal from the heavy side until it balances evenly. See figure 28.

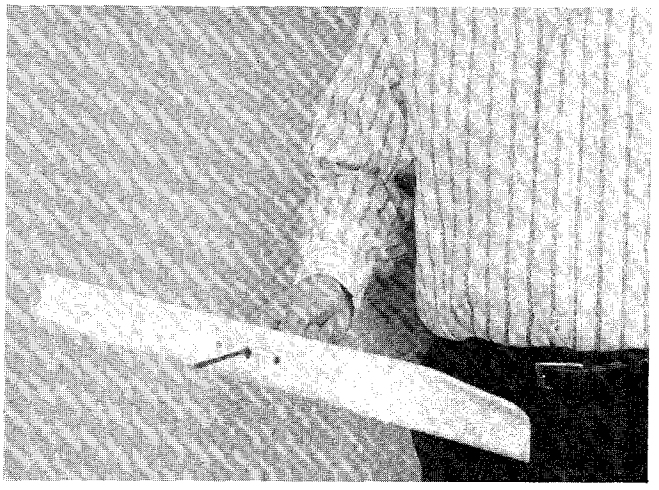


FIGURE 28.

NOTE

When replacing the blade, be sure the side of the blade marked "Bottom" or having the part number is facing the ground when the mower is in the operating position.

To insure safe operation of your unit, ALL nuts and bolts must be checked periodically for correct tightness.

DECK

The underside of mower deck should be cleaned after each period of use as grass clippings, leaves, dirt and other matter will accumulate. This accumulation of grass clippings, etc., is undesirable as it will invite rust and corrosion and may cause an uneven discharge of grass clippings at the next cutting.

Pay particular attention to the area of the idler pulley (see figure 29). Grass may accumulate in this area and must be cleaned out periodically to prevent possible problems with the clutch engagement.

The deck and idler pulley area may be cleaned by tilting the mower forward or on its side and scraping clean with a suitable tool or by washing with a stream of water from a garden hose.

CAUTION

Do not direct the stream of water at a hot engine as damage to the engine may result. Be sure spark plug wire is disconnected.

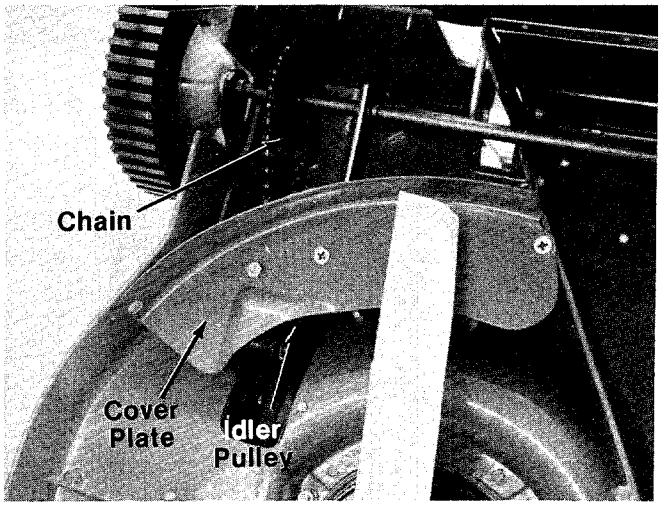


FIGURE 29.

ENGINE OIL

CHECK OIL LEVEL before starting engine and after every 5 hours of operation.

ADD oil as necessary to keep level to FULL mark on dipstick.

Before removing dipstick, clean area around dipstick to prevent dirt from entering oil fill tube.

Engine should be in a level position when checking oil.

CHANGE OIL after first 5 hours of operation. Thereafter change every 25 hours. Change oil while engine is warm. Oil may be drained thru drain on bottom of engine. To drain completely, always place engine level when draining thru the bottom. Oil capacity 1-1/4 pints. See figure 30.

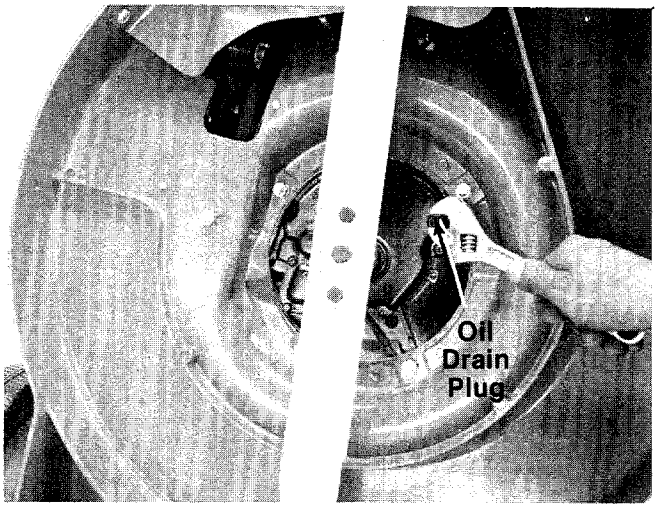


FIGURE 30.

AIR CLEANER

CLEAN AIR CLEANER and re-oil element every 25 hours under normal conditions. Clean every few hours under extremely dusty conditions. Poor engine performance and flooding usually indicates that the air cleaner should be serviced. See figure 31.

1. Remove screw.
2. Remove air cleaner carefully to prevent dirt from entering carburetor.
3. Take air cleaner apart and clean.
 a. WASH foam element in kerosene or a liquid detergent and water to remove dirt.
 b. DRY foam completely by wrapping and squeezing in a cloth.
 c. SOAK foam with engine oil. Squeeze to distribute and remove excess oil.
4. Reassemble parts and fasten to carburetor.

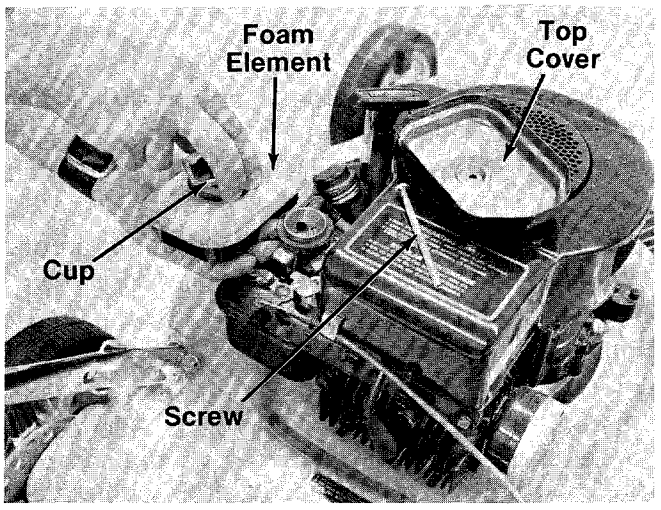


FIGURE 31.

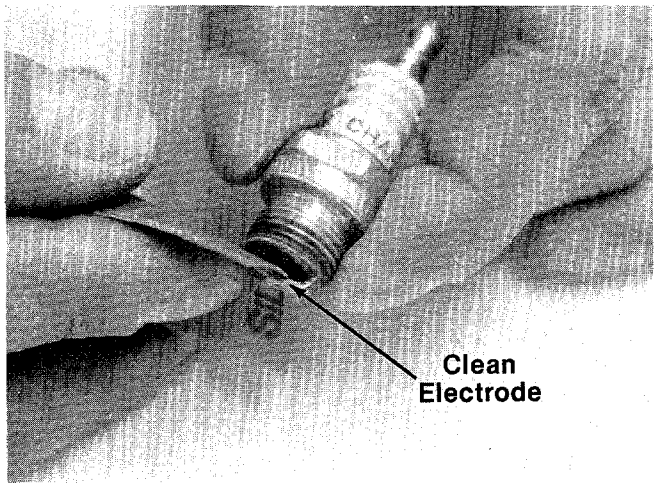


FIGURE 32.

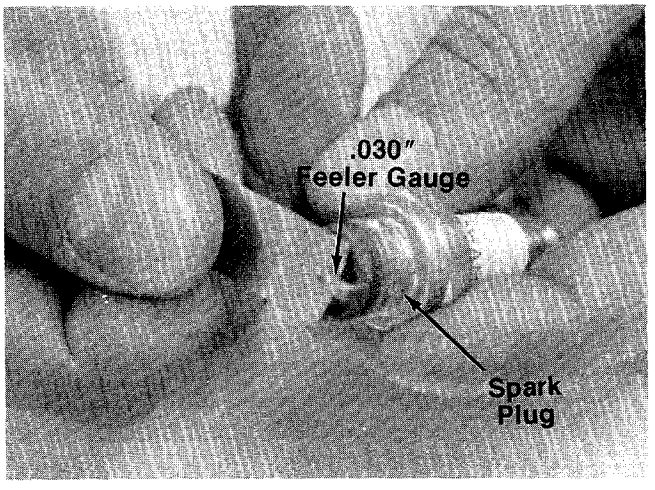


FIGURE 33.

SPARK PLUG

The spark plug gap should be cleaned (see figure 32) and reset to a 0.030-inch clearance once a season (see figure 33). Spark plug replacement is recommended at the start of each mowing season; check engine parts list for correct plug type.

NOTE

Whenever the spark plug is removed for cleaning, it is advisable to replace the spark plug gasket with a new gasket.

BELT REMOVAL

1. Remove the spark plug wire and ground it.
2. Drain the fuel tank or place a piece of plastic film beneath the cap to prevent gasoline leakage.
3. Remove the three screws holding the belt guard (and idler assembly). See figure 34.

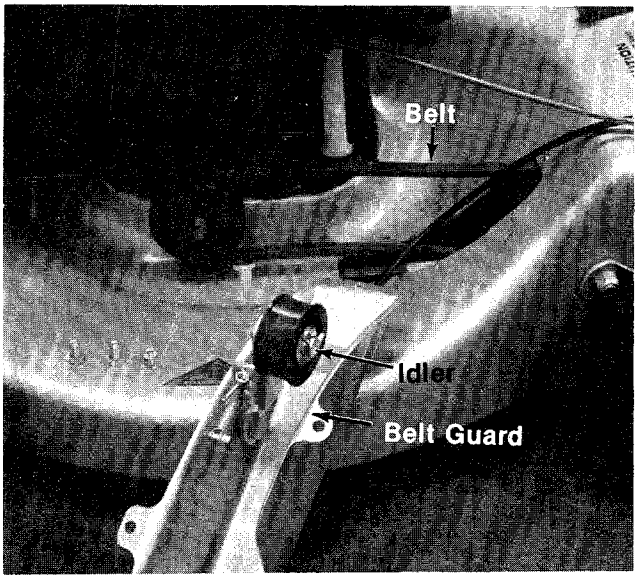


FIGURE 34.

4. Remove the belt from the idler as you lift off the belt guard.
5. Place the mower on its side.

WARNING

Make sure that the mower is secure and cannot tip over.

6. Remove the cutting blade.
7. Remove the three screws holding the cover plate. A phillips screwdriver, standard screwdriver and adjustable wrench are required. See figure 35.

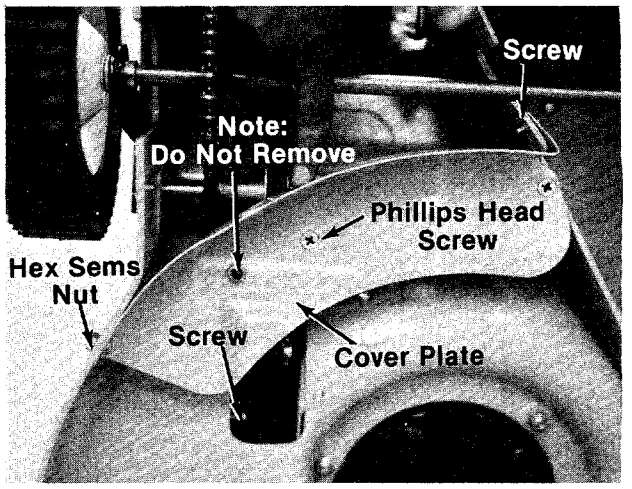


FIGURE 35.

8. Remove the nut, and slide the pulley bolt out. As the pulley bolt is removed, it will be necessary to remove two belleville washers, two flat washers, four spacers, the pulley/sprocket and the support link. See figure 36.

NOTE

Be sure the spacers and washers are installed in the same order when reassembling the pulley. See figure 39.

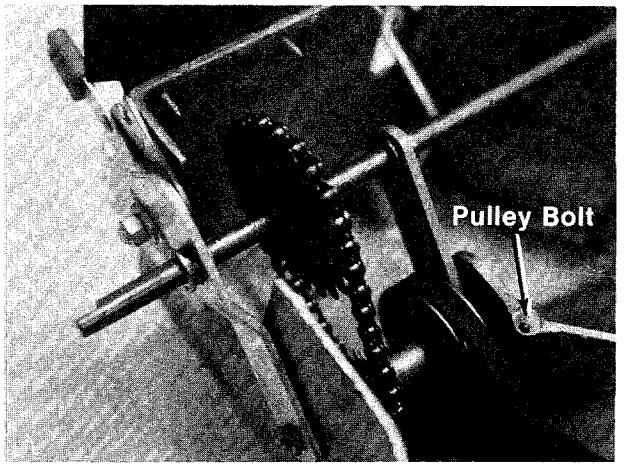


FIGURE 36.

9. Remove the belt. See figure 37.

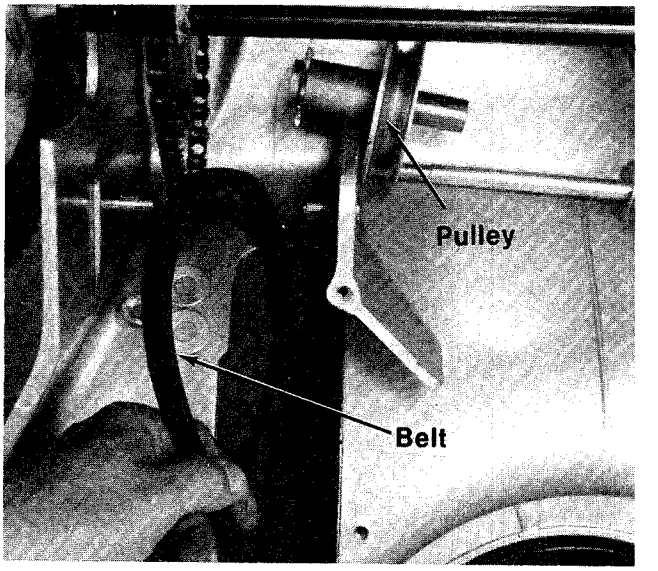


FIGURE 37.

10. Install the new belt as shown in figure 38 with the idler under the belt.

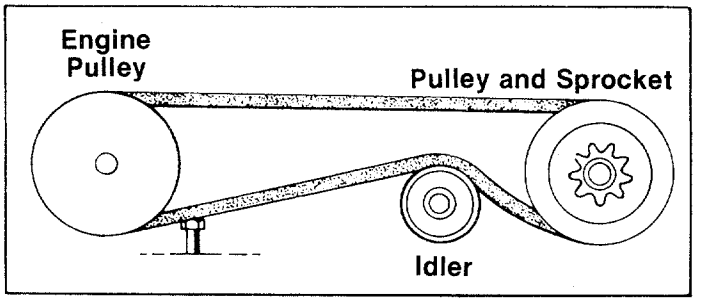


FIGURE 38.

11. Reassemble the pulley bolt, making certain the parts are assembled in correct order. See figure 39.

12. Assemble the belt cover plate, lower pan and blade to mower.

13. Remove the plastic film from the fuel tank cap.

NOTE

Figure 39 shows the order of assembly only. Parts cannot be preassembled.

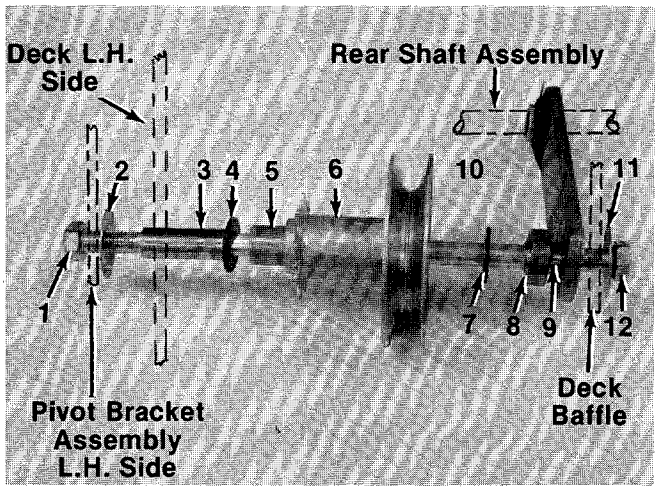


FIGURE 39.

Descriptions for Figure 39

1. Hex top lock nut
2. Belleville washer
3. Spacer 1.42″ lg.
4. Flat washer
5. Spacer 2.00″ lg.
6. Pulley and sprocket assembly
7. Flat washer
8. Spacer
9. Spacer .90″ lg.
10. Support link
11. Belleville washer
12. 5″ bolt

HANDLE STORAGE

The handle can be stored in an upright position to take less space. See figure 40. Move hairpin cotters to outer hole on weld pins (see figure 3). Grasp the lower handle at the bottom and pull apart slightly. Tip the handle forward. It will lock in this position. Reverse this procedure to place the handle in the operating position.

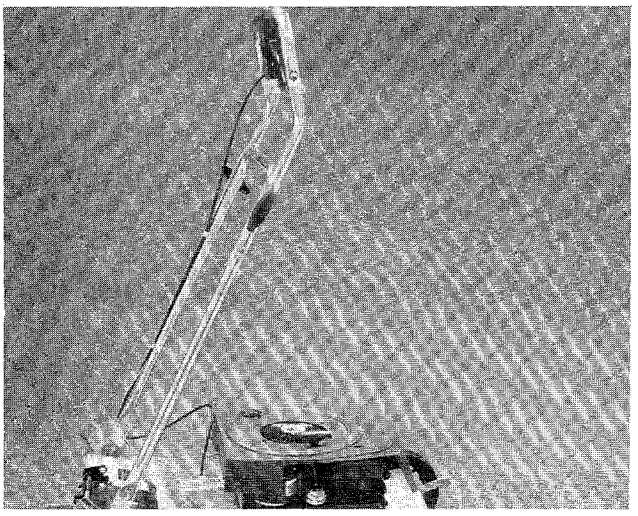


FIGURE 40.

The handle may also be folded away completely for storage.

1. Remove hairpin cotters from inner hole on weld pins on handle mount brackets. Place in outer hole.
2. Loosen the two hand knobs on each side of the handle.
3. Push outward on the bottom of each side of the lower handle, and push forward.
4. Fold the upper handle back and down as shown.

To take the handle out of storage position, proceed as follows.

1. Lift the upper handle up and towards the rear as shown.
2. Pull the handle back until it locks into the operator's position.
3. Tighten the two hand knobs securely.
4. Move the hairpin cotters to the inner hole on the weld pins.

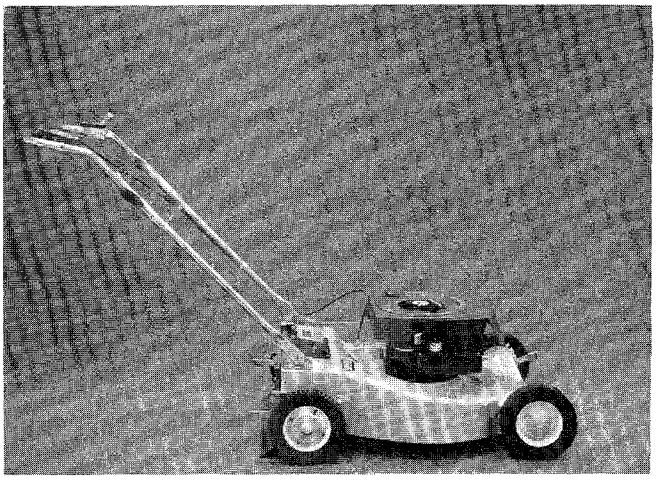


FIGURE 41.

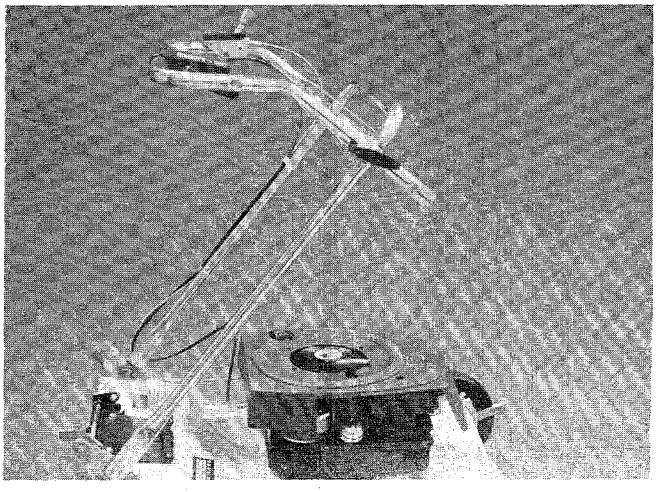


FIGURE 42.

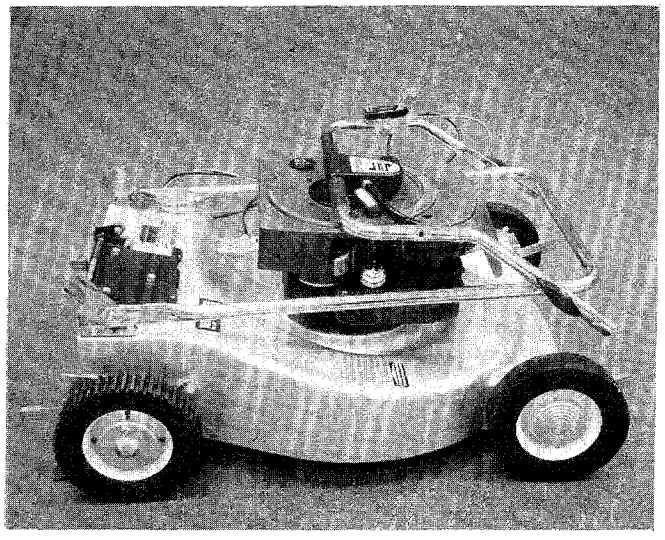


FIGURE 43.

OFF-SEASON STORAGE

If the machine is to be inoperative for a period longer than 30 days, the following procedures are recommended:

1. Working outdoors, drain all fuel from the fuel tank. Use a clean dry cloth to absorb the small amount of fuel remaining in the tank. Then run the engine until all fuel in the carburetor is exhausted.



Do not drain fuel while smoking, or if near an open fire.

2. Drain all the oil from the crankcase (this should be done after the engine has been operated and is still warm). Refill the crankcase with clean new oil.
3. Disconnect the spark plug wire and remove the spark plug from the cylinder. Pour about 2 or 3 tablespoons of engine oil into the cylinder. Turn the engine over several times to spread out the oil. Replace the spark plug, but do not connect the wire.
4. Clean the engine and the entire mower thoroughly.
5. Lubricate all lubrication points.

NOTE

The use of any accessory on this Rotary Mower other than those manufactured by the mower manufacturer is not recommended.



DO NOT operate the mower with the chute doors open unless the complete grass catcher is properly mounted on the mower.



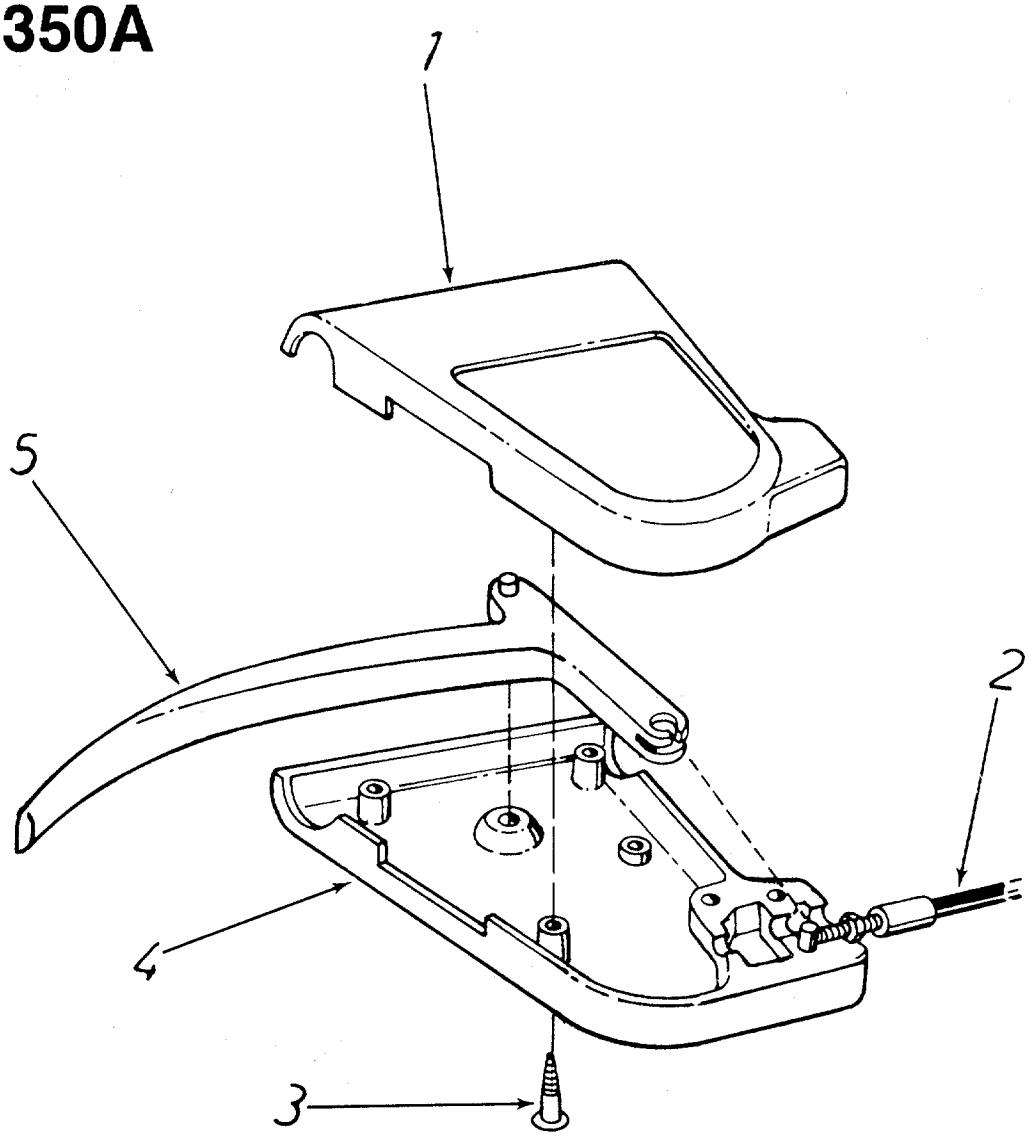
The mower shall not be operated without the protective shield on the rear of the mower in place.

NOTE

Under normal usage bag material is subject to wear and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.

For replacement bags, use only factory authorized replacement bag No. 764-0153.

120-350A



PARTS LIST FOR CONTROL LEVER ASSEMBLY 120-350A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	731-0407		Front Cover Control	
2	746-0308		Control Cable 57" Lg.	
3	710-0535		Slotted Oval Self-Tap Scr. #10 x .87" Lg.	
4	731-0408		Rear Control Cover	
5	731-0406		Lever Clutch Control	

*For faster service obtain standard nuts and bolts locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

(610—Rose)

When ordering parts, if color or finish is important use the appropriate color code shown above. (e.g. Rose Finish—12609 (610).)

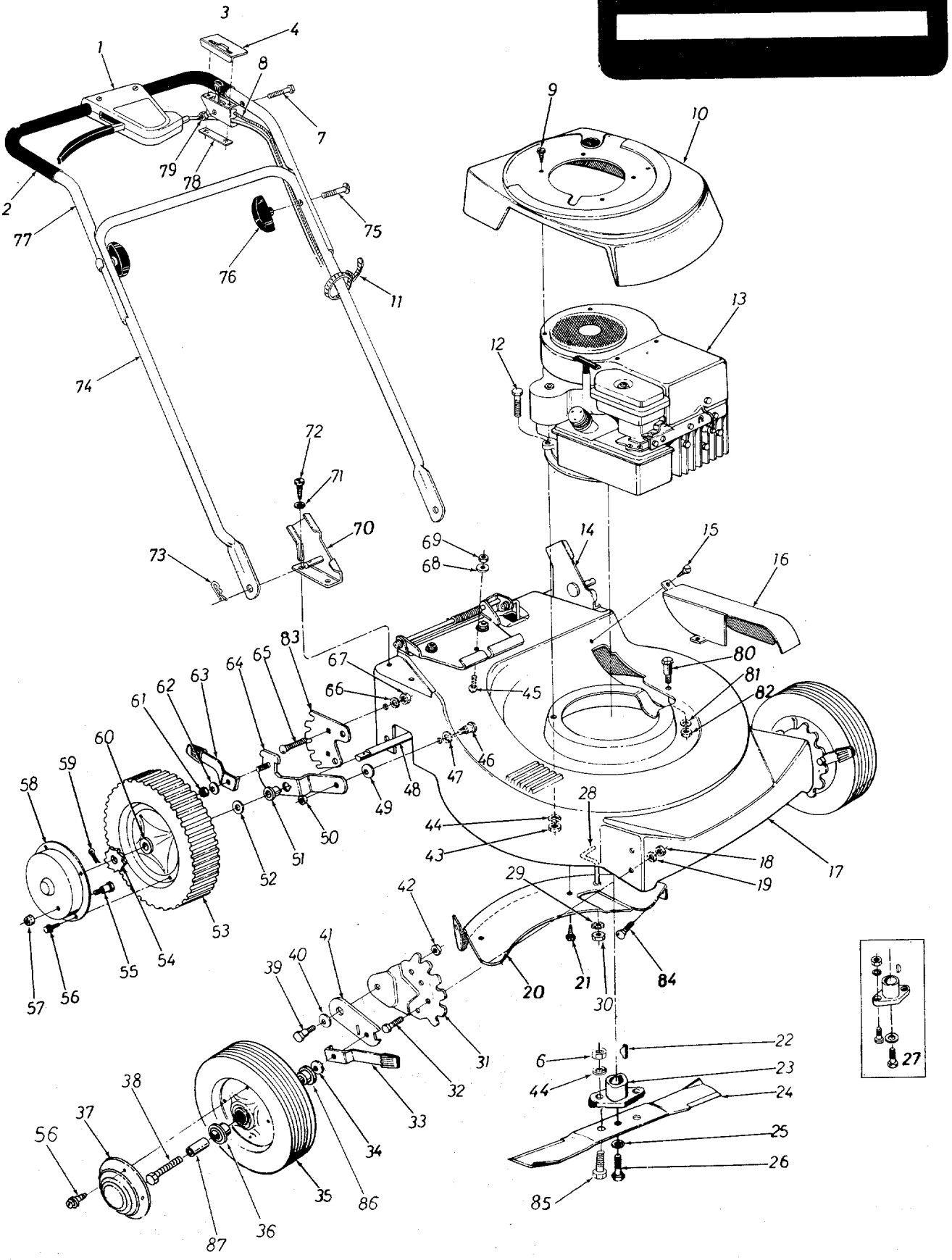
NOTE: The engine is not under warranty by the mower manufacturer...If repairs or service are needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."



120-350A

IF YOU WRITE TO US ABOUT THIS ARTICLE OR IF YOU ORDER REPLACEMENT PARTS ALWAYS MENTION THIS MODEL & SERIAL NO

MODEL



PARTS LIST FOR MODEL 120-350A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	13417		Clutch Control Ass'y. Comp.	
2	718-0145		Grip	
3	746-0376		Throttle Control Ass'y. Comp.	
4	731-0344		Plastic Label	
5	731-0189		Control Knob	
6	712-0123		Hex Nut 5/16-24 Thd.*	
7	710-0606		Hex Scr. ¼-20 x 1.50" Lg.*	
8	746-0377		Conduit and Wire	
9	710-0227		Slot Hex Hd. Self Extr. Scr. #8 x .50" Lg.*	
10	731-0303		Engine Shroud	
11	726-0188		Cable Ties	
12	710-0442		Hex Scr. 5/16-18 x 1.50" Lg.*	
13	—		Engine	
14	12935		Handle Mount Brkt. Ass'y. —L.H.	
15	710-0456		Hex Drilling Sr. #10 x ½" Lg.	
16	12309	—610	Belt Cover Ass'y.	
17	12609	—609	22" Deck Ass'y.	
18	712-0798		Hex Nut 3/8-16 Thd.*	
19	736-0169		L-Wash. 3/8" Scr.*	
20	12607		Cover Plate	
21	710-0618		Fl-Hd. Phil. Scr. ¼-20 x .62" Lg.	
22	714-0365		#6 Hi-Pro-Key 5/32 x 5/8" Dia.	
23	10769		Blade Adapter Kit	
24	742-0125		22" Blade	
25	736-0217		L-Wash. 3/8" Scr. Heavy Duty	
26	710-0459		Hex Scr. 3/8-24 x 1.50" Lg. H.T.	
27	10769		Blade Adapter Kit	
28	711-0629		Finger	
29	736-0329		L-Wash. ¼" Scr.*	
30	712-0287		Hex Nut ¼-20 Thd.*	
31	12321		Ht. Adj. Ass'y. Comp.—L.H.	
	12322		Ht. Adj. Ass'y. Comp.—R.H.	
	12323		Index Plate	
32	710-0216		Hex Scr. 3/8-16 x .75" Lg.*	
33	10531		Spring Lever Ass'y. w/Knob	
34	736-0105		Bell. Wash. .400 I.D. x .88 O.D.	
35	734-0845		Front Wheel Ass'y. Comp.	
36	741-0267		Ball Bearing (Front Wheel)	
37	08494		Hub Cap—Front	
38	710-0427		Hex Scr. 3/8-16 x 2.00" Lg.*	
39	738-0269		Shoulder Scr.	
40	736-0255		Bell. Wash. .500 I.D. x 1.14 O.D.	
41	10619		Pivot Bar	
42	712-0375		Hex Cent. L-Nut 3/8-16 Thd.	
43	712-0267		Hex Nut 5/16-18 Thd.*	
44	736-0119		L-Wash. 5/16" Scr.*	
45	710-0134		Carr. Bolt ¼-20 x .62" Lg.	
46	738-0143		Shld. Scr. .498 Dia. x .340	
47	736-0232		Wave Wash. .530 I.D. x .78 O.D.	
48	12313		Rear Shaft Ass'y.	
49	736-0219		Bell. Wash. .400 I.D. x 1.13 O.D.	
50	712-0181		Hex Top L-Nut 3/8-16 Thd.	
51	748-0142		Flange Brg.	
52	736-0192		Fl-Wash. .531 I.D. x .93 O.D.	
53	734-0880		Wheel Ass'y. Comp.—Rear	
54	748-0187		Ratchet	
55	738-0137		Shld. Scr. .342 Dia. x .268	
56	710-0748		Pan Hd. AB-Tapp Scr. #12 x .50" Lg.	
57	712-0219		Elastic Stop Nut ¼-20 Thd.	
58	12387		Hub Cap—Rear	
59	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*	
60	741-0262		Fortiflex Brg. (Two Per Wheel)	
61	712-0798		Hex Nut 3/8-16 Thd.*	
62	736-0105		Bell. Wash. .400 I.D. x .88 O.D.	
63	10531		Spring Lever Ass'y. w/Knob	
64	10639		Pivot Brkt. Ass'y.—R.H.	
	10638		Pivot Brkt. Ass'y.—L.H.	
65	710-0260		Carr. Bolt 5/16-18 x .62" Lg.	
66	736-0119		L-Wash. 5/16" Scr.*	
67	712-0267		Hex Nut 5/16-18 Thd.	
68	736-0329		L-Wash. ¼" Scr.*	
69	712-0287		Hex Cent. ¼-20 Thd.*	
70	12936		Handle Mount Brkt. Ass'y.-R.H.	
71	736-0329		L-Wash. ¼" Scr.*	
72	710-0252		Hex Scr. ¼-20 x .75" Lg.*	
73	714-0104		Intern. Cotter Pin 5/16" Dia.	
74	749-0375		Lower Handle	
75	710-0405		Curved Carr. Bolt 5/16-18 x 1.75" Lg.	
76	09966		Hand Knob	
77	749-0373		Upper Handle	
78	726-0134		Speed Nut—Twin Type	
79	712-0107		Hex Cent. L-Nut ¼-20 Thd.	
80	738-0138		Shld. Scr. .437 Dia. x .470	
81	736-0119		L-Wash. 5/16-18" Scr.*	
82	712-0267		Hex Nut 5/16-18 Thd.*	
83	10643		Index Plate	
84	710-0258		Hex Scr. ¼- x .62" Lg.*	
85	710-0117		Hex Scr. 5/16-24 x 1.00" Lg.	
86	741-0484		Ball Bearing—Front Wheel	
87	750-0434		Spacer	

(609—Burgandy)

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

When ordering parts, if color or finish is important use the appropriate color code shown above (e.g. Burgandy Finish—12428 (609).)

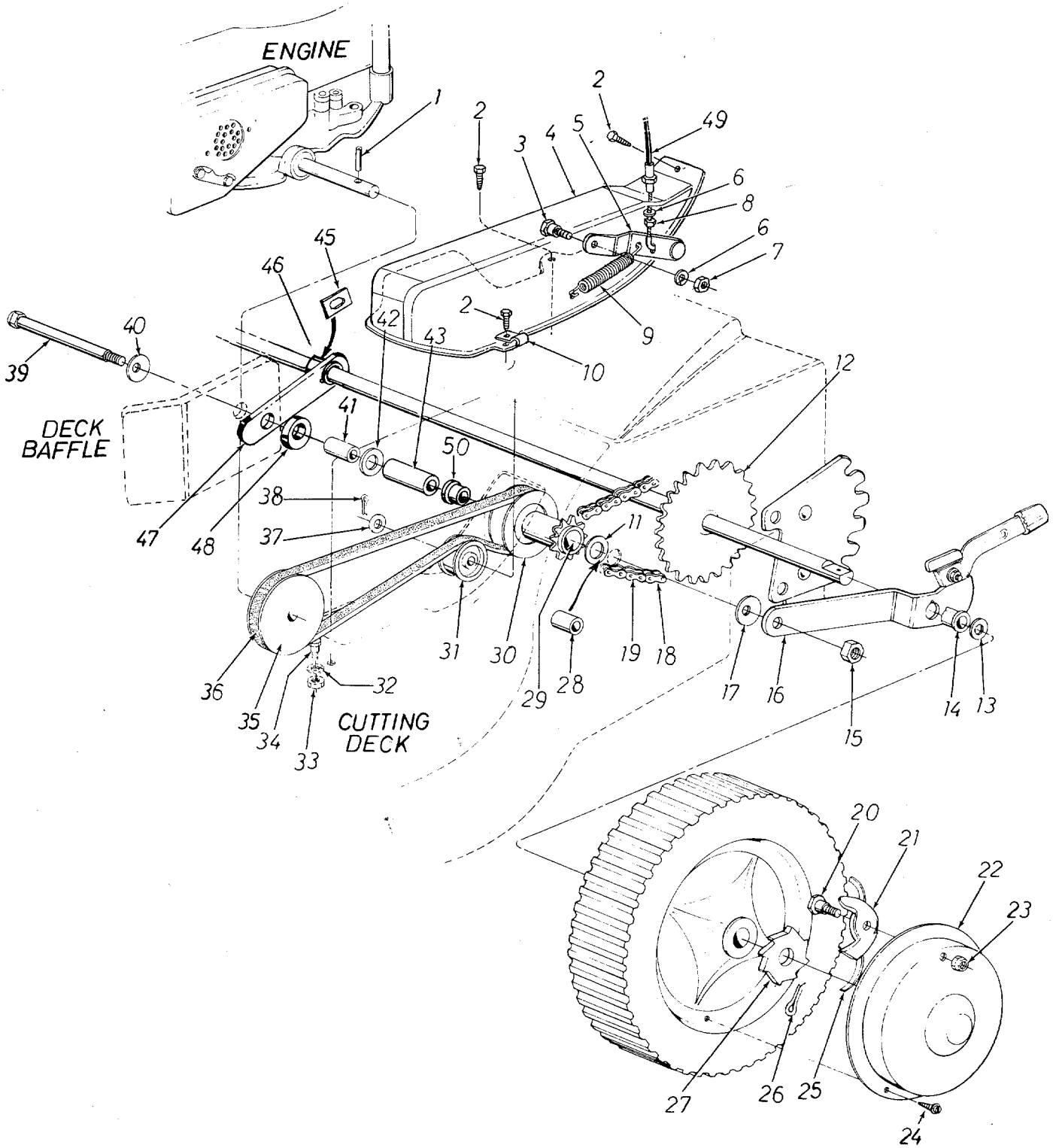
NOTE

This instruction manual covers various models and all specifications shown do not necessarily apply to your model. Specifications subject to change without notice or obligation.

NOTE: The engine is not under warranty by the mower manufacturer...If repairs or service are needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engine—Gasoline."

Find It Fast In the Yellow Pages

120-350A


ENGINE
DECK BAFFLE
CUTTING DECK
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PARTS LIST FOR MODEL 120-350A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	715-0105		Spring Pin Roll 3/16" Dia. x 1.50" Lg.	
2	710-0599		Hex Wash. S-Tapp Scr. ¼-20 x .50" Lg.	
3	738-0255		Shoulder Scr. .375 Dia. x .172	
4	12309	—610	Belt Cover Ass'y.	
5	13415		Engagement Brkt. Ass'y.	
6	736-0329		L-Wash. ¼" Scr.*	
7	712-0287		Hex Nut ¼-20 Thd.*	
8	712-~~0298~~ 0314		Hex Jam Nut ¼-28 Thd.*	
9	732-0357		Extension Spring .33 O.D. x 1.12" Lg.	
10	12894		Throttle Control Cable Clip	
11	736-0300		Fl-Wash. .385 I.D. x .87 O.D.	
12	12313		Rear Shaft Ass'y.	
13	736-0192		Fl-Wash. .531 I.D. x .93 O.D.	
14	748-0142		Flange Bearing	
15	712-0181		Hex Top L-Nut 3/8-16 Thd.	
16	10638		Pivot Brkt. Ass'y.—L.H.	
	10639		Pivot Brkt. Ass'y.—R.H.	
17	736-0219		Belleville Wash. .400 I.D. x 1.13 O.D.	
18	713-0144		Roller Chain #48 x 31 Links	
19	713-0122		Master Link #48	
20	738-0137		Shld. Scr. .342 Dia. x .268	
21	748-0188		Pawl	
22	12387		Hub Cap—Rear	
23	712-0219		Elastic Stop Nut ¼-20 Thd.	
24	710-0748		Pan Hd. AB-Tapp Scr. #12 x .50" Lg.	
25	10622		Nylon Spring	
26	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*	
27	748-0187		Ratchet	
28	750-0262		Spacer .50 O.D. x .38 I.D. x 1.42" Lg.	
29	741-0181		Sleeve Bearing .62 I.D. x .75 O.D. x .94 Lg.	
30	756-0191		Pulley with 9 Tooth Sprocket Ass'y.	
31	756-0192		Plastic Flat Idler	
32	736-0119		L-Wash. 5/16" Scr.*	
33	712-0267		Hex Nut 5/16-18 Thd.*	
34	738-0138		Shld. Scr. .437 Dia. x .470	
35	756-0115		Engine Pulley	
36	754-0935		V-Belt ½ x 31" Lg.	
37	736-0160		Fl-Wash. .531 I.D. x .930 O.D.	
38	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*	
39	710-0615		Hex Scr. 3/8-16 x 5.00" Lg.*	
40	736-0219		Belleville Wash. .400 I.D. x 1.13 O.D.	
41	750-0263		Spacer .50 O.D. x .38 I.D. x .90" Lg.	
42	736-0300		Fl-Wash. .385 I.D. x .87 O.D.	
43	750-0261		Spacer .62 O.D. x .38 I.D. x 2.00" Lg.	
45	726-0163		Push Clip	
46	748-0142		Flange Bearing	
47	12967		Support Link	
48	750-0289		Spacer	
49	746-0308		Clutch Cable	
50	741-0249		Plastic Bushing	

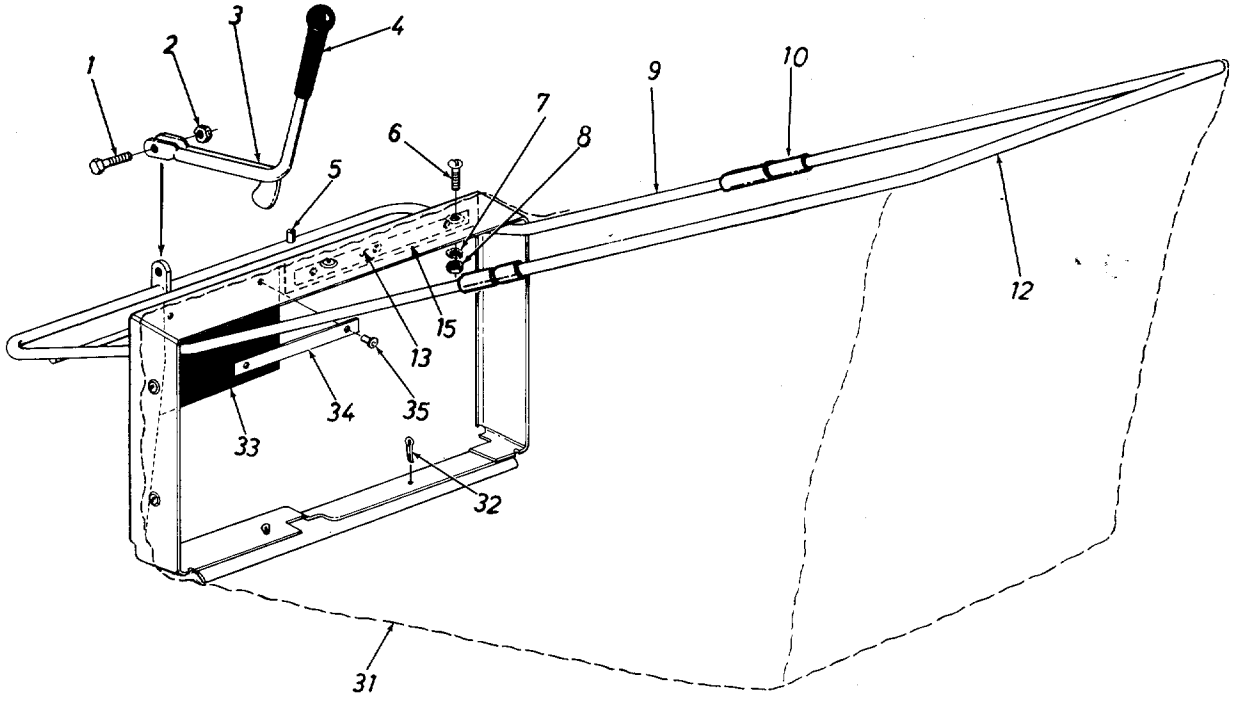
*For faster service, obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

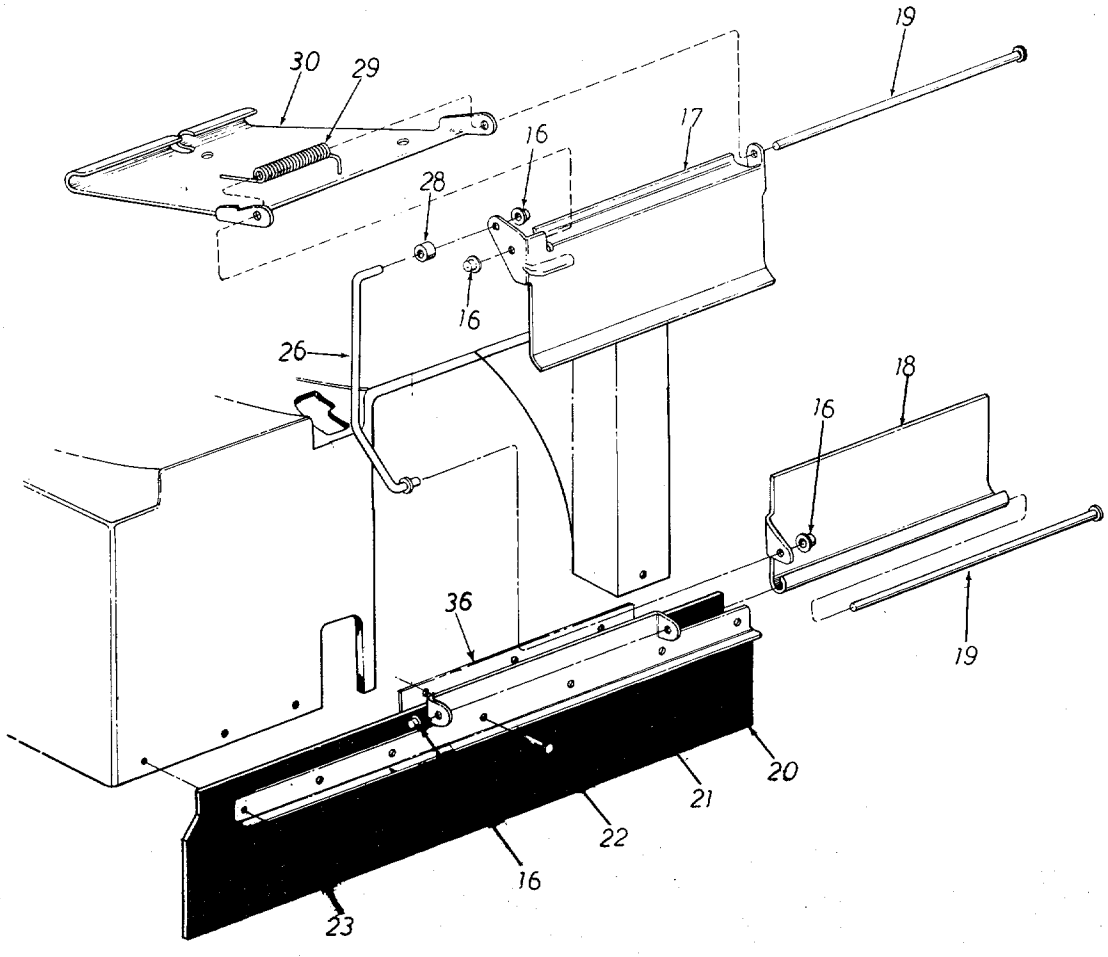
(610—Rose) When ordering parts if color or finish is important, use the appropriate color code shown at left. (e.g. Rose Finish—12429 (610).)

The engine is not under warranty by the mower manufacturer. If repairs or service are needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."



120-350A


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PARTS LIST FOR MODEL 120-350A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	710-0117		Hex Scr. 5/16-24 x 1.00" Lg.*	
2	712-0237		Hex Center L-Nut 5/16-24 Thd.	
3	12393		Cam Lever Ass'y.	
4	720-0143		Grip	
5	715-0247		Spring Pin Spiral	
6	710-0192		Truss Mach. Scr. #10-24 x .38" Lg.	
7	736-0147		Ext. L-Wash. #10 Scr.*	
8	712-0121		Hex Nut #10-24 Thd.*	
9	14131		Catcher Frame Ass'y. Lower Half	N
10	750-0473		Tubing Connector	N
12	749-0370		Frame—Rear Half	N
13	12316		Reinforcement Bar	
15	735-0183		Grass Catcher Flap	
16	726-0135		Push Nut 5/16" Rod	
17	12395		Chute Door—Upper Half	
18	12194		Chute Door—Lower Half	
19	738-0253		Hinge Rod	
20	735-0169		Rear Protective Flap	
21	12305		Rear Safety Shield Plate	
22	728-0123		Rivet*	
23	710-0436		Hex B-Tapp Scr. #10Z x .62" Lg.*	
26	747-0141		Connecting Rod	
28	748-0246		Roller Spacer	
29	732-0295		Torsion Spring	
30	12192		Grass Catcher Adapter	
31	764-0153		Bag	
32	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*	
33	735-0184		Grass Catcher Flap	
34	12185		Reinforcement Bar	
35	728-0123		Rivet	
36	12316		Reinforcement Bar	

*For faster service obtain standard nuts and bolts locally. If these items cannot be obtained locally, order by part number and size as shown on the parts list.

(609—Burgandy) When ordering parts, if color or finish is important, use the appropriate color code as shown at left. (e.g. Burgandy Finish—12609 (609).)

The engine is not under warranty by the mower manufacturer. If repairs or service are needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."



PARTS INFORMATION

POWER EQUIPMENT PARTS AND SERVICE

Parts and service for all MTD manufactured power equipment are available through the authorized service firms listed below. All orders should specify the model number of your unit, parts number, description of parts and the quantity of each part required.

ALABAMA	**BIRMINGHAM**	
Auto Electric & Carburetor Co.	2625 4th Ave. S.	35233
ARKANSAS	**FORT SMITH**	
Mity Mite Motors, Inc.	4515 South 16th Street	72901
	NORTH LITTLE ROCK	
Sutton's Lawn Mower Shop	Rt. 4 Box 368	72117
CALIFORNIA	**PORTERVILLE**	
Billious	75 North D Street	93257
	SAN BERNARDINO	
Lawn Mower Supply Co	25608 E. Baseline	92410
	SAN FRANCISCO	
J.W. Jewett Co.	981 Folsom St.	94107
COLORADO	**DENVER**	
South Denver Lawn Equip.	527 West Evans	80223
FLORIDA	**JACKSONVILLE**	
Radco Distributors	2403 Market St.	32206
	OPA LOCKA	
Small Eng. Dist.	2351 N.W. 147th St.	33054
GEORGIA	**EAST POINT**	
East Point Cycle & Key	2834 Church St.	30344
ILLINOIS	**LYONS**	
Keen Edge Co.	8615 Ogden Ave.	60534
INDIANA	**ELKHART**	
Parts & Sales Inc.	2101 Industrial Pkwy.	46514
IOWA	**DUBUQUE**	
Power Lawn & Garden Equip.	2551 J.F. Kennedy	52001
LOUISIANA	**NEW ORLEANS**	
Suhren Engine Co.	8330 Earhart Blvd.	70118
MARYLAND	**TAKOMA PARK**	
Center Supply Co.	6867 New Hampshire Ave.	20012
MASSACHUSETTS	**SPRINGFIELD**	
Morton B. Collins Co.	300 Birnie Ave.	01107
MICHIGAN	**LANSING**	
Lorenz Service Co.	2500 S. Pennsylvania	48910
	MOUNT CLEMENS	
Power Equipment Dist.	36463 South Gratiot	48043
MINNESOTA	**HOPKINS**	
Hance Distributing Inc.	420 Excelsior Ave. W.	55343
	ST. PAUL	
Power Tools Inc.	3771 Sibley Memorial Hwy.	55122
MISSISSIPPI	**BILOXI**	
Biloxi Sales & Service, Inc.	506 Caillavet St.	39533
MISSOURI	**KANSAS CITY**	
Automotive Equip. Service	3117 Holmes St.	64109
	ST. JOSEPH	
Ross-Frazier Supply Co.	8th and Monteray	64503
	ST. LOUIS	
Henzler, Inc.	2015 Lemay Ferry Rd.	63125
NEW JERSEY	**BELLMAWR**	
Lawnmower Parts Inc.	717 Creek Rd.	08030
	RUTHERFORD	
Feld Distributor	28 Glen Rd.	07070
NEW YORK	**CARTHAGE**	
Gamble Dist., Inc.	West End Ave.	13619

BRIGGS AND STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listin **Engines—Gasoline**, Briggs & Stratton or Tecumseh Lauson.

	SYRACUSE	
GTP Leisure Products Inc.	420 Marcellus St.	13204
NORTH CAROLINA	**GOLDSBORO**	
Smith Hardware Co.	515 N. George St.	27530
	GREENSBORO	
Dixie Sales Company	327 Battleground Ave.	27402
OHIO	**CARROLL**	
Stebe's Mid-State Mower Supply	Box 366-71 High St.	43112
	CLEVELAND	
Bleckrie, Inc.	7900 Lorain Ave.	44102
	WADSWORTH	
National Central	687 Seville Rd.	44281
	YOUNGSTOWN	
Burton Supply Co.	1301 Logan Ave. Box 929	44501
OKLAHOMA	**ADA**	
Ada Auto Supply	301 E. 12th St.	74820
	MUSKOGEE	
Victory Motors, Inc.	605 S. Cherokee	74401
	OKLAHOMA CITY	
Forest Sales Inc.	1039 NW 63rd St.	73116
OREGON	**PORTLAND**	
Kenton Supply Co.	8216 N. Denver Ave.	97217
PENNSYLVANIA	**CHESTER**	
Stull Equipment Corp	742 W. Front St.	19013
	HARRISBURG	
EECO Inc.	4021 N. 6th St.	17110
	PHILADELPHIA	
Thompson Rubber Co.	5222-24 N. Fifth St.	19120
	PITTSBURGH	
Bluemont Co.	11125 Frankstown Rd.	15235
TENNESSEE	**KNOXVILLE**	
Master Repair Service	2000 Western Ave.	3792
	MEMPHIS	
Memphis Cycle & Supply Co.	421 Monroe Ave.	38103
American Sales & Service, Inc.	1922 Lynnbrook	38116
TEXAS	**DALLAS**	
Marr Brothers, Inc.	423 E. Jefferson	75203
	FORT WORTH	
Woodson Sales Corp.	1702 N. Sylvania	76111
	HOUSTON	
Bullard Supply Co.	2409 Commerce St.	77003
	SAN ANTONIO	
Catto & Putty, Inc.	414 Live Oak	78298
UTAH	**SALT LAKE CITY**	
A-1 Engine & Mower Co.	437 E. 9th St.	84111
VERMONT	**BURLINGTON**	
Vermont Hdwe. Co. Inc.	180 Flynn Ave.	05401
VIRGINIA	**RICHMOND**	
RBI Corp.	963 Myers St.	23260
WASHINGTON	**SEATTLE**	
Bailey's Inc.	1414 14th Ave.	98102
WEST VIRGINIA	**CHARLESTON**	
Young's, Inc.	233 Virginia St., E.	25301
WISCONSIN	**APPLETON**	
Automotive Supply Co.	123 S. Linwood Ave.	54911

WARRANTY PARTS AND SERVICE POLICY

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customer's responsiblity.

CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES

1. **Replacement of Missing Parts** on new equipment.
2. **Replacement of Defective Parts** within the warranty period.
3. **Repair of Defects** within the warranty period.

All claims MUST be substantiated with the following information:

1. **Model Number** of unit involved.
2. **Date** unit was purchased or first put into service.
3. **Date of failure.**
4. **Nature of failure.**